



1993

1993

cte
INTERNATIONAL



BASE STATIONS • BASE STATIONS



ALAN 555

COD. C 326

AM/FM/SSB/CW BASE STATION

ALL-MODE multichannel base station, with 5 digit display for reception and transmission frequency reading; particularly suitable because it has over 226 channels including the intermediate channels (ALFA).

Comes complete with all accessories and controls, as follows:

- Electronic ECHO circuit
- ROGER BEEP circuit
- Internal stabilized power supply
- S.W.R.-meter
- Watt-meter
- Big loudspeaker on the front panel
- Practical output power level control for external boosters

The ALAN 555 includes 12 controls, 6 switches, 2 analog meters (one used for the S.METER only), 2 digital displays, 7 LED indicators. This base station will allow you to operate in best conditions in order to make perfect long distance DX connections. It allows a frequency shift with a double control + 5 KHz (coarse) 1 KHz (fine). Besides the microphone mike, the ALAN 555 is supplied with an-easy-to use earphone jack on the front panel. On the rear panel the following plugs are placed: antenna, external frequency meter, telegraphic push button, additional loudspeaker/rec. The dimensions comply with 19" RACK mounting standards. The 2 handles provided make for easy transport.

TECHNICAL SPECIFICATIONS

GENERAL

Channels	271
Frequency range	25.615 to 28.315 MHz
Frequency control	PLL synthesizer
Frequency tolerance	0.0005%
Frequency stability	0.0003%
Temperature range	-30°C +50°C
Microphone	Dynamic
Supply voltage	220 V±50 Hz
Power consumption	90 W
Dimensions (HxWxD)	410x230x530 mm
Weight	12 Kg
Antenna connector	SO 239
Indicator meter	2/Power/S.W.R./S.R.F.

TRANSMITTER

AM Output power	10 W
FM Output power	10 W
SSB Output power	21 W PEP
Modulation	AM = 100%
.....	FM = 1.5 KHz
SSB carrier suppression	50 dB
Harmonic and spurious emissions	>60 dB
Frequency response	400-3000 Hz +3 dB
Output impedance	50 Ohm

RECEIVER

Sensitivity	1µV @ 10 dB S/N
Signal/noise ratio	0.5 W for 10 dB S/N
Selectivity	50 dB
Squelch	adjustable threshold
.....	less than > 0.7 µV
Frequency response	400-2500 Hz + 9%
Audio output level	3 W
Internal loudspeaker	8 Ohm
Intermediate frequency	1st: 10.695 MHz
.....	2nd: 455 KHz
Distortion	>10%
Antenna connector	SO 239
Indicator meter	2/Power/S.W.R./S.R.F.

ATIONS • BASE STATIONS



ALAN 560 COD. C 327 AM/FM/SSB/CW 100 W BASE STATION

ALL-MODE HF/CB microprocessor base station, with continuous tuning, controlled in all its functions by sophisticated software and with electronic controlled stages; it works with linearity from 26 to 32 MHz. This unit is supplied with a 100 Watt SSB transistor linear power amplifier (50 Watt RF AM/FM) and with many other special components suitable for the output power. The ALAN 560 base station is new generation equipment with a LCD display but also has two wide analog meters. These instruments allow the received signal, the transmitter power and the S.W.R. to be read. LCD display with all operating parameters; ANL, NB and ROGER BEEP which can be inserted separately. Tuning by means of the lighted UP/DOWN buttons or by means of the tune knob or the UP/DOWN buttons located on the microphone. Programmable STEP of 100 Hz, 1 KHz, 10 KHz, 1 MHz. Variable transmission power with RF POWER control. Double adjustment for the ECHO effect control and many other controls make the ALAN 560 the most complete base station on the market. It is possible to operate in SPLIT FREQUENCY by separating the reception and transmission frequencies and 10 memory and back up.

TECHNICAL SPECIFICATIONS

GENERAL

Channels Steps of 100 Hz
 1 KHz - 10 KHz - 100 KHz - 1 MHz
 Frequency range 26 to 32 MHz
 Frequency control PLL synthesizer
 Frequency tolerance 0.0005%
 Frequency stability 0.0001%
 Temperature range -30°C +50°C
 Microphone Dynamic
 Supply voltage 220 V - 50 Hz
 Power consumption 200 W
 Dimensions (HxWxD) 410x230x530 mm
 Weight 16 Kg
 Antenna connector SO 239
 Indicator meter ... 1+LCD/Power/S.W.R./S.R.F.

TRANSMITTER

AM Output power 50 W
 FM Output power 50 W
 SSB Output power 100 W PEP
 Modulation AM = 100%
 FM = 1.5 KHz
 SSB carrier suppression 50 dB
 Harmonic and spurious emissions >60 dB
 Frequency response 400-3000 Hz +3 dB
 Output impedance 50 Ohm

RECEIVER

Sensitivity 1µV @ 10 dB S/N
 Signal/noise ratio 0.5 W for 10 dB S/N
 Selectivity 50 dB
 Squelch adjustable threshold
 less than > 0.7 µV
 Frequency response 400-2500 Hz + 3%
 Audio output level 3 W
 Internal loudspeaker 8 Ohm
 Intermediate frequency 1st: 10.695 MHz
 2nd: 455 KHz
 Distortion > 10%
 Connector SO 239

MOBILE TRANSCEIVERS

ALAN 8001

COD. C 350 MOBILE TRANSCEIVER 271 CHANNELS

New and innovative transceiver suitable for long distance "DX" connections. Equipped with 19 controls and 5 indicators, the ALAN 8001 may be presently identified as the most advanced transceiver of all the CTE range.

CONTROLS:

- **Volume.** It is used to adjust the output level of both the transmitter's loudspeaker and the external loudspeaker.
- **Squelch (external).** For the maximum sensitivity of the receiver, the control is best adjusted only where the receiver's background noise is removed.
- **Microphone gain (internal).** It adjusts the transmission gain and the PA function gain.
- **Antenna Preamplifier gain.** It adjusts the receiver sensitivity.
- **S.W.R. CAL Control (internal).** Thanks to this useful control checking the antenna calibration will be more immediate. The values from 1 to 3 are good, while beyond these it is necessary to calibrate the antenna.
- **RF power control (external).** It adjusts the RF output power from 1 to 25 W.
- **Band selector.** It selects the band in FM, AM, LSB, or USB by simultaneously changing both the transmitter's and receiver's function.
- **Clarifier. Fine/Coarse.** It can make the receiver's frequency change, both above and below the frequency assigned. Vital to SSB signals, it can be used for improving AM/FM signals.
- **Channel selector.** It selects one of the 40 channels in the CB band by visualizing it directly on the Led Display.
- **Meter.** It indicates the intensity of receiving signals, the S.W.R. level, the transmitter's RF output power and the modulation.
- **S-RF/SWR/CAL switches.** While transmitting, it shows the relative RF power. In CAL it is necessary to calibrate the S.W.R. meter, in S.W.R. it is necessary to measure the standing wave ratio.
- **Roger Beep switch.** It automatically transmits the end-of-transmission audio signal.
- **Frequency shift switch.** By pushing it, it is possible to obtain a 10 KHz frequency automatic shift.
- **Indicators receiver/transmitter.** While receiving, the green Led will light up, while transmitting the red Led will light up.



- **ECHO switch (optional).** ECHO board mod. PK 87.
- **Frequency meter.** It visualizes precisely the RX and the TX frequencies.
- **Modulation switch.** It allows to measure either the output power or the modulation of the unit.
- **NB/ANL switch.** It optimizes the received signal by eliminating the pulsed noises.
- **FREQ/OFF switch.** It turns the frequency meter off, when with the very weak signals, the noise causes interfer-

TECHNICAL SPECIFICATIONS

GENERAL

N° of channels: 271 FM/AM/LSB/USB
 Frequency range: 25.615 to 28.315 MHz
 Frequency control: PLL synthesizer
 Frequency tolerance: 0.0005%
 Frequency stability: 0.0001%
 Temperature range: -30° C to +50° C
 Microphone: dynamic with PTT with spiral cord and 4-pole connector
 Supply voltage: 13.8 Vdc nominal,
 15.9 V max.
 11.7 min. (pos. or neg. ground)
 Current drain: transmitter: AM 4 A
 output SSB 25 Watt PEP, 6 A
 receiver: Squelch 0.6 A
 max. audio output 1.2 A
 Dimensions: 60x200x235 mm
 Weight: 2300 gr
 Antenna connector: UHF, SO 239
 Instrument panel (4 in 1): illuminated, indicates relative output power, intensity input signals, S.W.R. and modulation.

TRANSMITTER

Output power: AM/FM 10 W SSB
 25 W PEP
 Intermodulation distortion:
 SSB: 3rd order, over 25 dB - 5th order, over 35 dB
 SSB carrier suppression: 55 dB
 Unwanted side band: 50 dB
 Frequency response: AM and FM
 from 450 to 2500 Hz
 Output impedance: 50 Ohm, unbalanced

MOBILE TRANSCEIVERS

ALAN 87 COD. C 295 MOBILE TRANSCEIVER 271 CHANNELS

New and innovative transceiver suitable for long distance "DX" connections. Equipped with 14 controls and indicators, the ALAN 87 may be presently identified as the most complete transceiver of all the CTE range. Controls:

- **Volume.** It is used to adjust the output level of both the transmitter's loudspeaker and the external loudspeaker.
- **Squelch (external).** For the maximum sensitivity of the receiver, the control is best adjusted only where the receiver's background noise is removed.
- **Microphone gain (internal).** It adjusts the transmission gain and the PA function gain.
- **S.W.R. CAL Control (internal).** Thanks to this useful control checking the antenna calibration will be more immediate. The values from 1 to 3 are good, while beyond these it is necessary to calibrate the antenna.
- **RF power control (external).** It adjusts the RF output power from 1 to 25 W.
- **Band selector.** It selects the band in CW,FM,AM,LSB, or USB by simultaneously changing both the transmitter's and receiver's function.
- **Clarifier.** It can make the receiver's frequency change, both above and below the frequency assigned. Vital to SSB/CW signals, it can be used for improving AM/FM signals.
- **Channel selector.** It selects one of the 40 channels in the CB band by visualizing it directly on the Led Display.
- **Indicator.** It indicates the intensity of receiving signals, the S.W.R. level and the transmitter's RF output power.
- **S-RF/SWR/CAL switch.** While transmitting, it shows the relative RF power. In CAL it is necessary to calibrate the S.W.R. meter, in S.W.R. it is necessary to measure the stationary waves ratio.
- **Roger Beep switch.** It automatically transmits the end-of-transmission audio signal.
- **Frequency shift switch.** By pushing it, it is possible to obtain a 10 KHz frequency automatic shift.
- **Indicator receiver/transmitter.** While receiving, the Led will be green, while transmitting the Led will be red.
- **ECHO switch (optional).**

OPTIONAL ECHO BOARD MOD. PK 87 ECO Cod. C 296
(See page 53)

ALAN 88 S

COD. C 178 RICETRASMETTITORE VEICOLARE 34 CANALI

UTILIZZABILE AI PUNTI DI OMOLOGAZIONE 1/2/3/4/7/8 ART. 334. C.P. • OMOLOGAZIONE N° 016435 DEL 18/06/85

L'ALAN 88 S è comprensivo di RF GAIN per regolare il guadagno del ricevitore, di MIC GAIN per regolare la preamplificazione del microfono, di due tipi di filtri antidisturbo per rendere più chiaro il segnale e di un controllo di luminosità per il display. È comprensivo inoltre di tutti i controlli necessari per un ricetrasmittitore AM/FM/SSB compreso il FINE TUNING.

CARATTERISTICHE TECNICHE

Numero canali	34	TRASMETTITORE	
Gamma di freq.	26.865-27.265 MHz	Potenza RF	2.5 W AM/FM
Tolleranza di frequenza	0.002 %	4.8 W SSB
Temperatura di funz.	-10° +55° C	Modulazione	AM-FM-SSB
Tens. di alimentazione	12.6 Vcc	Risposta in freq.	500 Hz-3 KHz ±5dB
Corrente assorbita	1.2 A	Impedenza d'uscita	50 Ohm sbilanciati
Impedenza d'antenna	50 Ohm	RICEVITORE	
Dim. (HxLxP) in mm.	63x185x247	Sensibilità	0.5 µV
Peso	2 kg.	Potenza audio	> 3 W su 8 Ohm

TECHNICAL SPECIFICATIONS

GENERAL

N° of channels	271 FM/AM/LSB/USB
Frequency range	25.615 to 28.315 MHz
Frequency control	PLL synthesizer
Frequency tolerance	0.0005%
Frequency stability	0.0001%
Temperature range	-30°C to +50°C
Microphone	dynamic with PTT
..... with spiral cord and 4-pole connector	
Supply voltage	13.8 Vdc nominal
..... 15.9 V max. 11.7 min. (pos. or neg. ground)	
Current drain	transmitter: AM 4 A
.....	output SSB 25 Watt PEP, 6 A
.....	receiver: Squelch 0.6 A
.....	max. audio output 1,2 A
Dimensions	60 x 200 x 235 mm

Weight	2250 gr
Antenna connector	UHF, SO 239
Instrument panel (3 in 1) illuminated - indicates	
relative output power - intensity - input signals	

TRANSMITTER

Output power	AM/FM/CW
.....	10 W SSB, 25 W PEP
Intermodulation distortion	SSB:
.....	3rd order, over 25 dB
.....	5th order, over 35 dB
SSB carrier suppression	55 dB
Unwanted side band	50 dB
Frequency response	AM and FM:
.....	from 450 to 2500 Hz
Output impedance	50 Ohm, unbalanced



MODIFICABILE 240 CANALI

FOR ITALY ONLY

MOBILE TRANSCIEVERS

ALAN 28 COD. C 281 MOBILE TRANSCIEVER 40 CHANNELS

UTILIZZABILE AL PUNTO DI OMOLOGAZIONE 8
ART. 334.
APPROVAL N° 0041403 DATED 22/09/90

Transceiver having excellent and unique characteristics, surely the first so versatile in the possibilities of transformation. The **ALAN 28** is composed of 3 distinct parts, which are separable: front panel, body and rear panel. In the front panel there is an inside panel that controls a computer system, in the body there is the transceiving section and in the rear panel the power final-phase. In addition, it can be extracted FROM THE SLIDE MOUNT COMPATIBLE WITH CAR RADIO.

Among "standard" accessories there are a bright display and a Led instrument showing the intensity of the signal received in points S from 1 to 9 and beyond 9 in other three 10 dB steps for a maximum level of S 9 +30; while transmitting, it shows the RF output power in watts or S.W.R. of the antenna used. Among the most interesting controls there are:

- **RF GAIN.** It gives the possibility of increasing or decreasing the receiver's sensitivity so as to make the reception clearer in case of strong QRM.
 - **FIL/OUT.** It activates a tone control to improve the listening of the sound received.
 - **ANL.** Automatic limiter of impulsive noises.
 - **CH.SCAN.** After connecting the SQUELCH, it facilitates the automatic search of busy channels.
- For pre-selecting any channel it is possible to use the knob placed on the top left panel or the UP and DOWN buttons placed on the transceiver and the microphone. Two 7-piece display units make channel visualization possible. The ALAN 28 is supplied with a system able to store 5 channels.
- The ALAN 28 is the CB transceiver you were expecting!

IT CAN BE MODIFIED TO 120 CHANNELS

- also available mod. ALAN 28/D in FTZ specs.
- also available mod. ALAN 28/E in CEPT specs.



TECHNICAL SPECIFICATIONS

Channels	40
Frequency range	26.965-27.405 MHz
Voltage	11,3 - 13,8 Vdc
Current drain	0,9 A max
Dimensions	210 x 155 x 50 mm
Weight	1,1 Kg.
Display	electronic, LED
External loudspeaker socket	automatic
..... disconnection of internal loudspeaker	
RF output power	4,5 W
Modulation	AM/FM
Suppression of harmonic and unwanted components	as provided by law
Sensitivity	0,5 µV for an output of 0,5 W audio

Selectivity	better than 60 dB
Image rejection	better than 50 dB
IF rejection	better than 60 dB
Automatic gain control	12 dB
..... for signals from 10 µV to 0,4 V	
Manual gain control	within 30 dB attenuation
Squelch	adjustable, min 1
Rejection of adjacent channel	60 dB min.
Cross-modulation	60 dB min.
Audio output power	3 W

ALAN 18 COD. C 282 MOBILE TRANSCIEVER 40 CHANNELS

Approval N° 0033635 dated 17/07/90

Thanks to its attracting aesthetics this compact but complete unit is suitable for installation in any mobile means. It is equipped with:

- **MIC GAIN.** Microphone amplifier control to obtain always a perfect modulation.
- **LC/DX.** To reach highest sensitivity on weaker channels.
- **CH 9.** Automatic switching of emergency channel.

TECHNICAL SPECIFICATIONS

Frequency range	26.965 - 27.405 MHz
N° of channels	40
Max. power AM	4 W
Max. power FM	4 W
Voltage	13.8 Vdc



- also available mod. ALAN 18/D in FTZ specs.
- also available mod. ALAN 18/E in CEPT specs.

MOBILE TRANSCEIVERS

ALAN 48 COD. C 217 MOBILE TRANSCEIVER 40 CHANNELS

APPROVAL N° 031336 DATED 18/08/86

Approval N° 031336 dated 18/08/86

ALAN 48 is designed for exacting radio amateurs. In fact, in addition to the equipment normally supplied with any RTX, it offers:

- MIC GAIN. Microphone gain control, for an always perfect modulation.
- RF GAIN. To vary antenna preamplifier gain.
- FIL. To adjust tone of received signal.
- ANL. Automatic noise limiter.
- PA. To transform the unit into a low-frequency amplifier.

TECHNICAL SPECIFICATIONS

Frequency range 26.965 - 27.505 MHz
 No. of channels 40
 Max. power AM 4 W
 Max. power FM 4 W
 Voltage 13.8 Vdc

IT CAN BE MODIFIED TO 120 CHANNELS



- also available mod. ALAN 48/D in FTZ specs: black colour night light.
- available in CEPT version under the name ALAN 58/E

ALAN 68 S

COD. C 025 MOBILE TRANSCEIVER 34 CHANNELS

FOR ITALIAN MARKET ONLY

UTILIZZABILE AI PUNTI DI OMOLOGAZIONE
 1/2/3/4/7/8 ART. 334. C.P.
 OMOLOGAZIONE N° 010095 DEL 19/03/83

L'ALAN 68 S è stato il primo apparato in AM/FM a 4.5 W omologato in Italia. È un apparato completo per il radioamatore veramente esigente. Infatti, oltre alla normale dotazione di un RTX dispone di:

- Mic Gain. Controllo di guadagno del microfono per avere una modulazione sempre perfetta.
- RF GAIN. Comando per variare a piacimento il guadagno del preamplificatore d'antenna.
- FIL. Comando per regolare l'intonazione del segnale ricevuto.
- ANL. Limitatore automatico di disturbi.
- PA. Azionando questo interruttore, l'apparato si trasforma in un amplificatore di bassa frequenza. (utilizzando un altoparlante supplementare).

CARATTERISTICHE TECNICHE

Frequenza di funzionamento 26.875-27.265 MHz
 Numero canali 34
 Potenza max AM 4.5 W
 Potenza max FM 4.5 W
 Tensione di alimentazione 13.8 Vcc
 Dimensioni (HxLxP) in mm. 56x165x210
 Peso 2 kg.



MOBILE TRANSCEIVERS

ALAN 44 COD. C 218 MOBILE TRANSCEIVER 40 CHANNELS

APPROVAL N° 024189 DATED 24/06/86

Thanks to its compact design, it is ideal for installation on mobile means. The accurate construction ensures total operation under all conditions of use. Complete with SQUELCH control and PA switch which enables the equipment to be transformed into a low-frequency amplifier.

TECHNICAL SPECIFICATIONS

Frequency range 26.965 - 27.405 MHz
 N° of channels 40
 Max. power AM 4 W
 Max power FM 4 W
 Voltage 13.8 Vdc

IT CAN BE MODIFIED TO 120 CHANNELS



ALAN 27 COD. C 276.98 MOBILE TRANSCEIVER 40 CHANNELS

APPROVAL N° 0012682 DATED 03/04/89

New design, high sensitivity: these are the features which place **ALAN 27** at the top of the CB range. This unit is equipped not only with the controls which are usually supplied, but also with all controls necessary for a perfect regulation of the operating parameters both reception and transmission levels:

• available in CEPT specs. ALAN 27 E

- **MIC GAIN.** Microphone amplifier.
- **RF GAIN.** Antenna preamplifier.
- **TONE.** Voice tone control.
- **9-19.** Automatic switching of emergency channels.
- **DNF.** Suppressor of noises in battery supply line.
- **LO/DX.** Attenuator of very strong signals.
- **DIM/BRT.** Display luminosity regulator.

A "personalized" antenna called **ALAN 27** (Cod. T 611) has been specially developed to enhance the characteristics of this unit. The antenna is equipped with a TVI filter capable of reducing harmonics. It is supplied assembled, ready for easy installation and adjustment.

TECHNICAL SPECIFICATIONS

Frequency range 26.965-27.405 MHz
 N° of channels 40
 Max. power AM 4 W
 Max. power FM 4 W
 Voltage 13.8 Vdc

IT CAN BE MODIFIED TO 120 CHANNELS



MOBILE TRANSCIEVERS

ALAN 16

MOBILE TRANSCIEVER 40 CHANNELS

TECHNICAL SPECIFICATIONS

N° of channels 40
 Frequency range 26.965 to 27.405 MHz
 Output power AM 4 W



ALAN 19

MOBILE TRANSCIEVER 40 CHANNELS

TECHNICAL SPECIFICATIONS

N° of channels 40
 Frequency range 26.965 to 27.405 MHz
 Output power AM 4 W
 Output power FM 4 W



ALAN 80 AM/FM ALAN 100

APPROVAL N° 0011708 DATED 15/03/91

New mobile transceiver with very reduced dimensions but the same state-of the art technology as the other bigger transceivers. Practical controls separate from volume and squelch enable you to obtain optimum reception, while for a better audio there is a new capacitor microphone also enabling channel switching thanks to the UP/DOWN controls. The switching of the channels may occur through UP/DOWN buttons placed on the front panel as well as the AM/FM selection and the recall of the emergency channel 9.

TECHNICAL SPECIFICATIONS

GENERAL

Channels 40
 Frequency range 26.965 - 27.405 MHz
 Frequency control P.L.L.
 Frequency tolerance 0.0002%
 Frequency stability 0.0005%
 Operating temperature -10° C +55° C
 Microphone ELECTRET
 Power supply 12.6 Vdc + 10%
 Current drain 0.9 A max.
 Dimensions 190 x 120 x 31 mm
 Weight 1 Kg.
 Antenna connector SO 239

TRANSMITTER

AM Output power 4.5 W
 FM Output power 4.5 W
 Modulation AM 90 / 100%
 FM = 1.5 KHz
 Harmonic and spurious emissions within
 bounds of the regulations in force
 Frequency response 500 Hz - 3 KHz + 3 dB
 Output impedance 50 Ohm

RECEIVER

Sensitivity 0.5 µV @ 10 dB S/N
 Signal noise ratio 0.5 for 10 dB S/N
 Selectivity 60 dB
 Squelch adjustable max. threshold
 Frequency response 300 / 3 KHz + 3 dB
 Audio output level < 3 W
 Internal loudspeaker 8 Ohm
 Intermediate frequency 1st 10.7 MHz
 2nd 455 KHz
 Distortion > 5% @ 1 KHz

COD. C 288
 MOBILE TRANSCIEVER
 40 CHANNELS (ALAN 100)

- available under the name of ALAN 100 same specs as above.
- available mod. ALAN 100/D in FTZ specs.
- available mod. ALAN 100/E in CEPT specs.



MOBILE TR

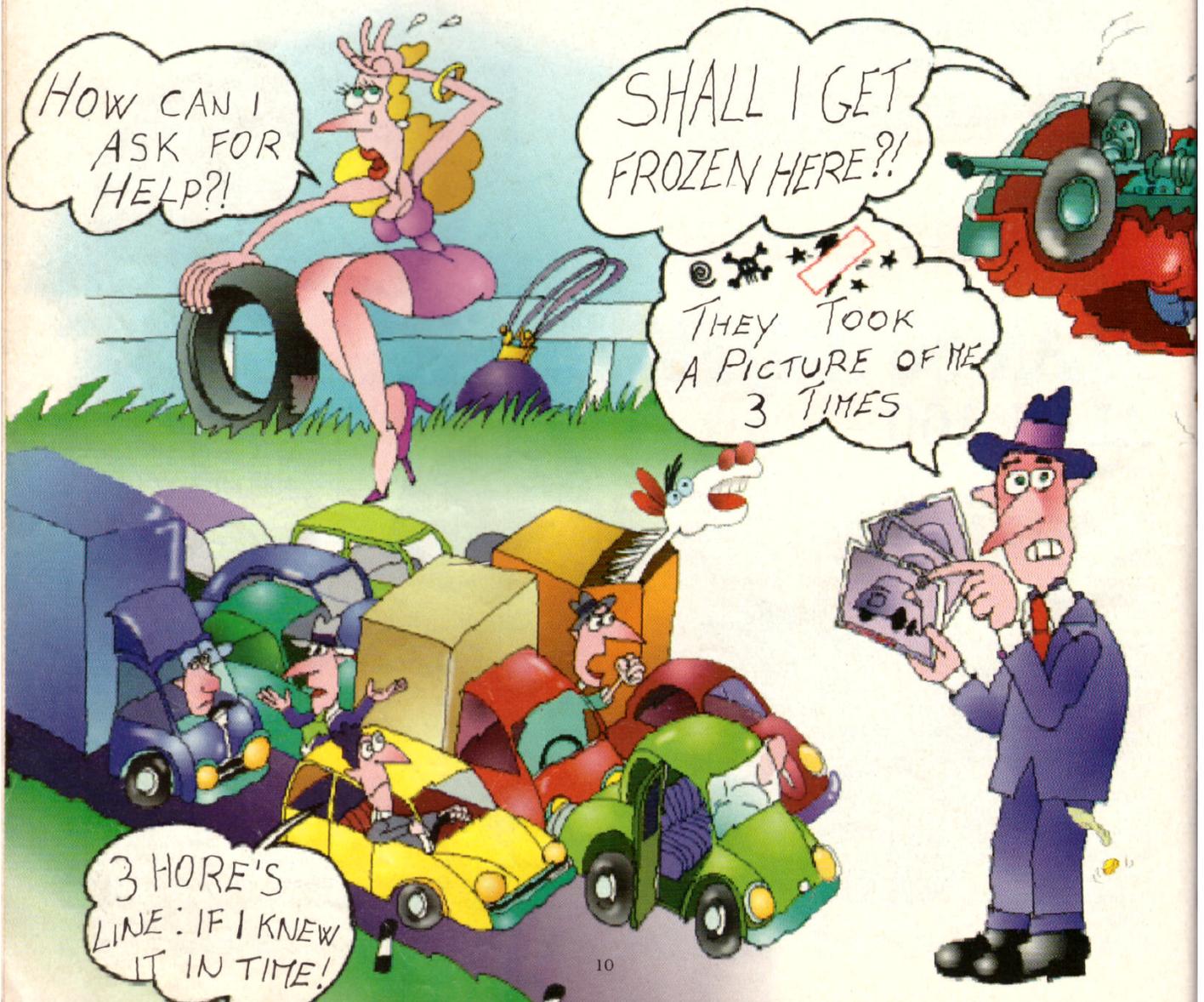
KIT ALAN 80 AM/FM

COD. C 308
AM/FM
TRANSCEIVER

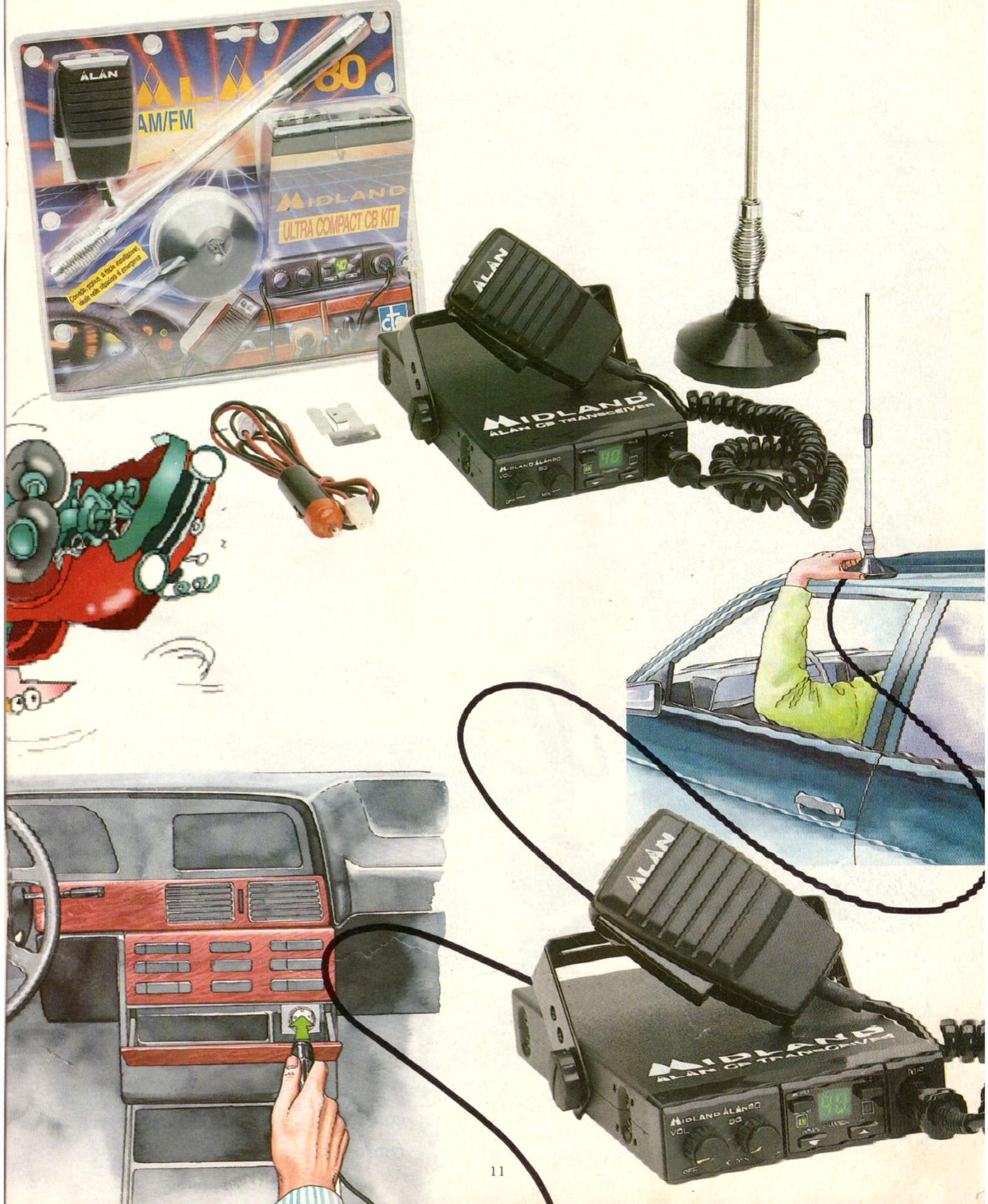
KIT ALAN 100

APPROVAL N° 0011708 DATED 15/03/91

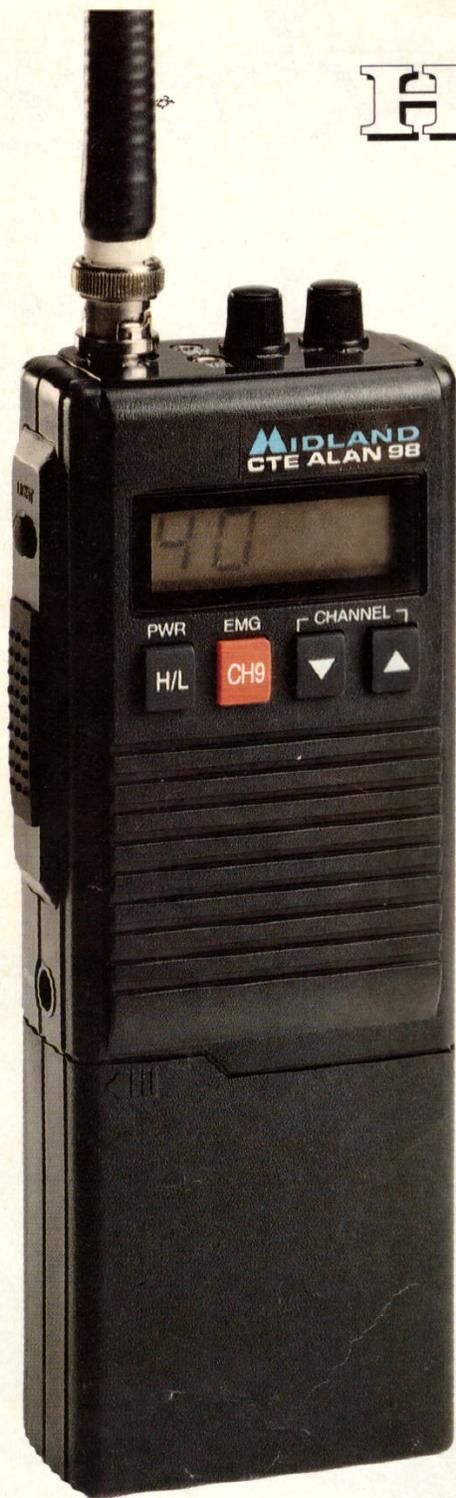
This ultracompact CB Kit is composed of an AM / FM ALAN 80 transceiver complete with microphone, a pre-calibrated antenna with magnetic mount and a cigarette lighter cable which enable to transmit and receive immediately in the 27 MHz band. These features make it also excellent in case of emergency. The whole kit is supplied in blister package, very handy for transport, and with a practical instruction manual.



ANSCEIVER



HANDHELD



ALAN 98

COD. C 314
RICETRASMETTITORE
PORTATILE 40 CANALI

APPROVAL N° 0040601 DATED 24/09/91

New generation microprocessor controlled handheld CB transceiver. It has a big backlight LCD, illuminable for 6 seconds, with:

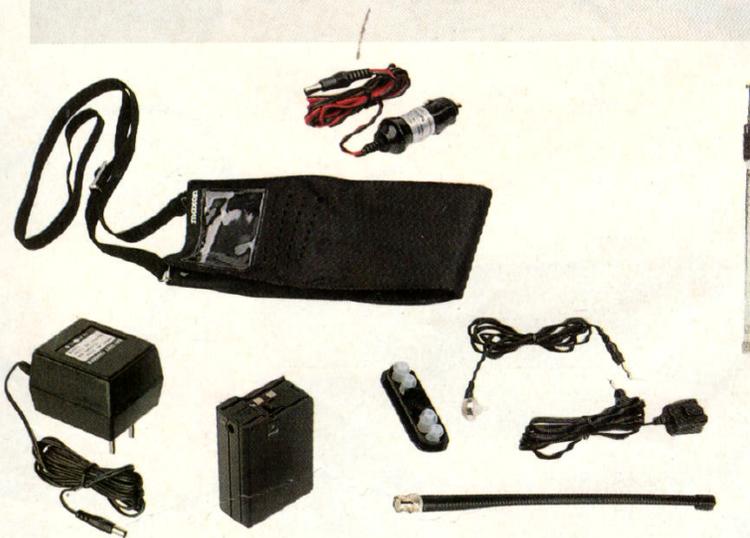
- S.METER
- PWR METER
- CHANNEL INDICATOR
- EMG.
- BATT. LOW
- PWR LOW
- TX INDICATOR

It has two TX output powers

TECHNICAL SPECIFICATIONS

N° of channels	40
Output power	4 W / 1 W switchable
Modulation type	AM
Power supply ..	Alkaline batteries/NiCd batteries/ Car battery
Antenna connector	BNC

IT CAN BE MODIFIED TO 120 CHANNELS. That modification invalidates the approval.



PK 120/98

120 CH expander board.

PB 9812

RECHARGEABLE BATTERY PACK (batteries 600 mA)

COD. C 322

ALKALINE BATTERY PACK (batteries not included)

COD. T 686

DC POWER CORD WITH LIGHTER PLUG

COD. C 317

WALL CHARGER

COD. C 318

CUSTODIA ANTIGRAFFIO IN NYLON

COD. C 315

RECHARGEABLE BATTERY PACK

COD. C 319

REMOTE P.T.T. CONTROL

COD. C 320

EAR MICROPHONE / SPEAKER

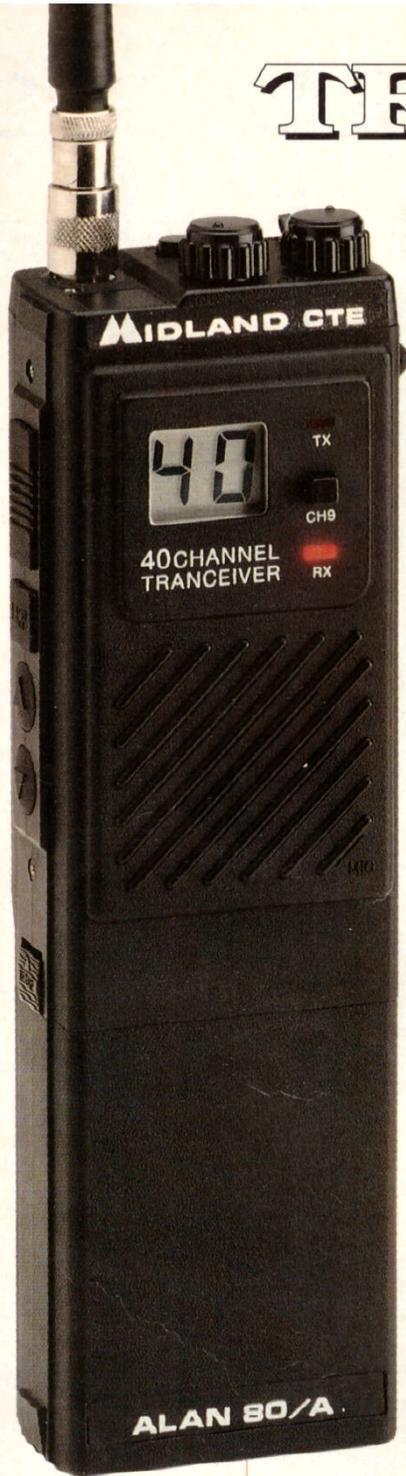
COD. C 737

TELESCOPIC ANTENNA WITH TNC CONNECTOR.

COD. C 316

RUBBER DUCK ANTENNA

TRANSCEIVER



ALAN 80A COD. C 262 HANDHELD TRANSCIEVER 40 CHANNELS

APPROVAL N° 0038047 DATED 25/09/89

ALAN 80 A is a compact 40-channel CB transceiver with a high output power. The emergency channel 9 can be easily selected by pressing its proper key. LDC displays the monitored channel without compromising the battery life. TX and RX Leds display the transceiver's operating mode. The ALAN 80A helical antenna is provided with rubber sheath.

TECHNICAL SPECIFICATIONS

Frequency range 26.995 - 27.405 MHz
 N° of channels 40 AM
 Output power 4 / 1 W switchable
 Supply voltage battery pack
 (9 dry batteries 1.5 V "AA")
 External supply voltage 13.8 Vdc
 Antenna connector 50 Ohm TNC type
 Antenna helical with rubber sheath

• also available in version 40CH - 40CH AM/FM



BS 80 COD. T 622
Car adapter + booster.



MA 18 VOX
COD. F 214
Headset with Vox microphone.



MA 20 COD. C 303
Speaker / microphone



COD. T 614
Power cord with car lighter plug.



BM 80 COD. T 630
Magnetic mount with TNC connector.



MA 22 COD. C 302
Speaker / microphone

TNC S0 239
COD. T 615 TNC Connector.



CT 60N COD. C 292
Desk battery charger.



COD. C 273
Nylon carry case.



COD. C 304
Dry battery pack.



COD. T 634
Telescopic antenna with TNC connector.

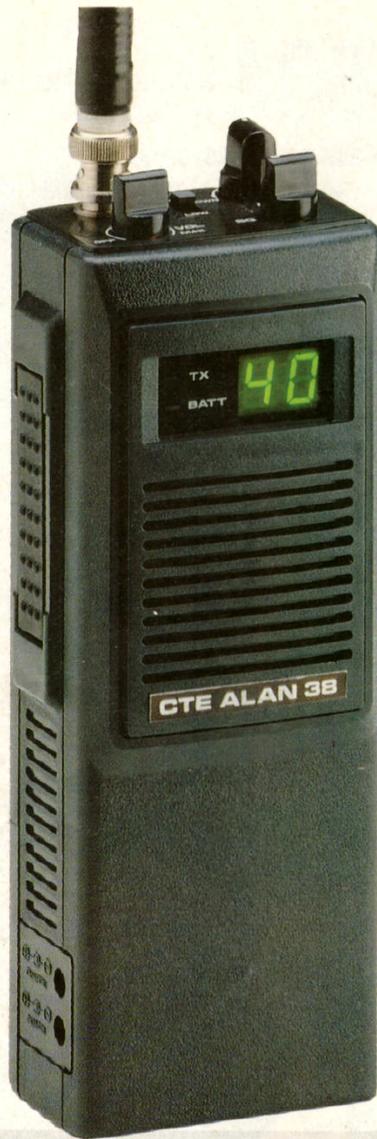


PB8012 COD. C 325
Rechargeable NiCd battery pack (600 mA/h)



CA8012 COD. C 328
Wall charger for PB 8012.

HANDHELD T



CTE ALAN 38

ALAN 38 COD. C 272

APPROVAL N° 0012360 DATED 10/03/90

HANDHELD TRANSCEIVER Handheld transceiver with new design and very reduced dimensions. It is equipped with a circuit which keeps the display off when the transceiver does not receive any signal, thus allowing battery saving. The unit is equipped with BNC socket, external supply socket and battery charger socket. ACCESSORIES:

- Rubber-covered helical antenna
- Supply cord with car lighter plug
- Belt clip

TECHNICAL SPECIFICATIONS

Frequency range	26.965 - 27.405 MHz
N° of channels	40
Output power	5/1 W switchable
Modulation	AM
Supply voltage	12 Vdc
Antenna	helical type with rubber cover



COD. T 737
Telescopic antenna with BNC connector.

COD. T 738
Type-one antenna.

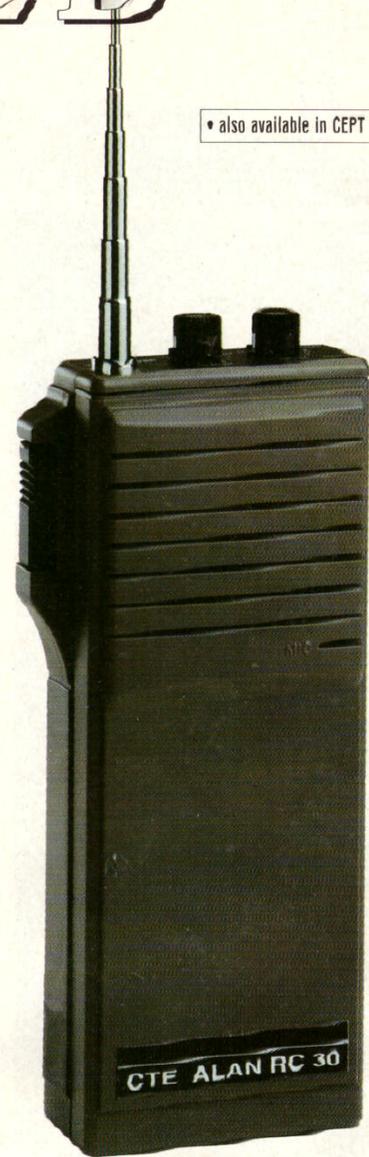


COD. C 283
Nylon carry case.



COD. T 686
Fuse lighter power cord.

• also available in CEPT specs.



CTE ALAN RC 30

RC 30 Cod. C 300

APPROVAL N° 0011305 DATED 06/03/1992

FM HANDHELD CB RADIO 100 mW

3-Channel FM handheld C.B. radio. It is equipped with the ON/OFF, volume and Squelch controls as well as Talk button, channel selector and telescopic antenna.

TECHNICAL SPECIFICATIONS

Transmitting and receiving frequency	Channel 1: 27.095 MHz
.....	Channel 2: 27.145 MHz
.....	Channel 3: 27.195 MHz
Receiving system	Superheterodyne
Intermediate frequency	455 Hz
Transmitter	Crystal controlled
Receiver sensitivity	2 µV at 10 dB (S+N) / N
Power source	9 Vdc batteries
Speaker	40 mm 8 Ohm
Microphone	Electret condenser microphone
Dimensions	170x70x36 mm

TRANSCEIVERS



RC 1000 COD. C 265

HANDHELD TRANSCEIVER

Handheld transceiver with external headset and microphone.

- Mini RTX with VOX
- VOX/P.T.T. selection
- Super heterodyne double-conversion receiver
- Indication and transmission light
- Miniature microphone and headset
- Belt clip

TECHNICAL SPECIFICATIONS

Frequency	49 MHz
Supply voltage	9 Vdc
Max. distance	300 mt in open field
Dimensions	128 x 70 x 26 mm



EL 843 Cod. C 291

WALKIE-TALKIE

Mini transceivers with reduced dimensions covering considerable distance.

- 1 pair
- Telescopic antenna
- DC 9 V P. 3 x 1 operation
- Alkaline batteries recommended
- Batteries not included

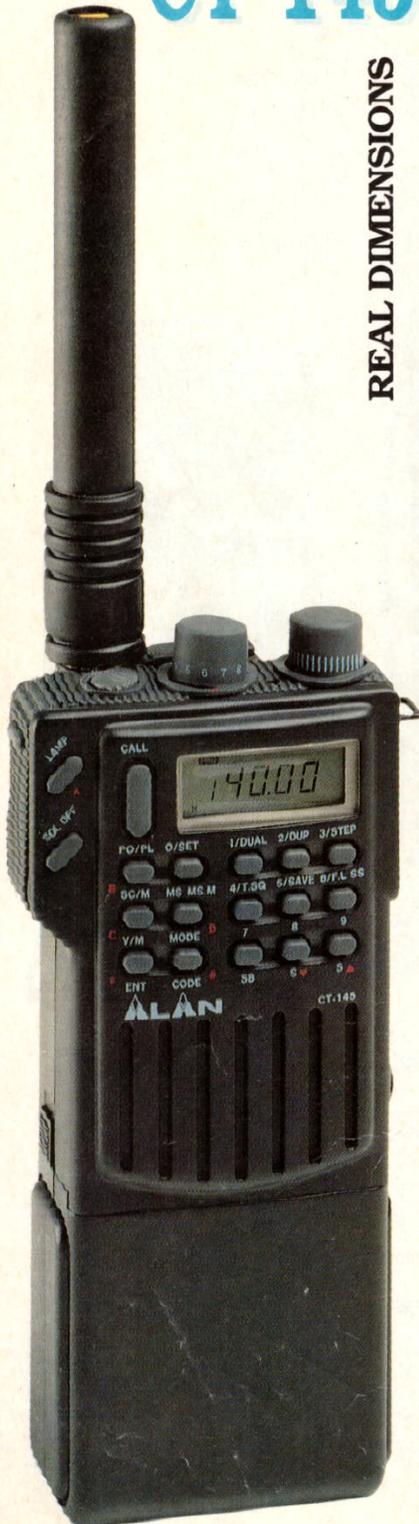
TECHNICAL SPECIFICATIONS

Frequency range	27.145 MHz
N° of channels	1
Modulation	AM
Current drain	33 mA max.
Power supply	9 V batteries
Weight	200 gr
Dimensions	155 x 56 x 24 mm

VHF / UHF HANDHELD

CT 145

REAL DIMENSIONS



COD. C 306 HANDHELD VHF TRANSCEIVER

CT 145 D COD. C 306.01
CT 145 E COD. C 306.02

The CT 145 is a very compact professional transceiver with 18-key front keyboard and modern design. The use of this transceiver is very easy and its liquid crystal display, illuminable under conditions of scarce brightness, enables all functions to be visualized. For a notable battery saving it is equipped with a special circuit (APO) enabling it to remain in reception by reducing the consumption to 5 mA only. The CT 145 can store 20 channels (plus 1 priority one) and can be connected to a power source thanks to a handy external socket. Its reduced weight (185 gr.) enables it to be always within every pocket's reach.

TECHNICAL SPECIFICATIONS

GENERAL

Frequency range
 138-174 MHz Mod. (CT 145 I COD. C 306)
 130-170 MHz ... Mod. (CT 145 D COD. C 306.01)
 144-146 MHz ... Mod. (CT 145 E COD. C 306.02)
 Modulation type F 3
 Microphone input impedance 600 Ohm
 Loudspeaker impedance 8 Ohm
 Operating voltage 5-16 Vdc
 Nominal input voltage 7.2 Vdc
 Current drain
 During transmission
 13.8 V (5.0W) 950 mA
 13.8 V (2.5W) 650 mA
 13.8 V (0.35W) 350 mA
 7.2 V (2.0 W) 650 mA
 7.2 V (0.35W) 350 mA
 Standby 35 mA
 Battery saving 13 mA
 APO 5 mA
 Dimensions (HxWxD) battery excluded .. 83.5x55x31 mm
 Weight (without batteries and antenna) 185 gr.

TRANSMITTER

RF Output power
 H 1 W (with 4 pc. battery pack)
 2.5 W (with 6 pc. battery pack)
 2 W (with BSC 72 and PB 72)
 5 W (with PB 120)
 M 2.5 W
 L 0.35 W
 Frequency modulation in variable reactance
 Maximum deviation ± 5 KHz
 Spurious suppression > 60 dB
 Call tone 1750 Hz
 N° memory channels 20
 Channel spacing step . 5/10/12.5/20/25/50 KHz
 Shift frequency 0 - 39.995 MHz

RECEIVER

Double conversion superheterodyne
 1st I.F. 21.8 MHz
 2nd I.F. 455 Hz
 Sensitivity -10 dB μ
 S/N (0.5 μ V) 30 dB
 Squelch sensitivity 0.1 μ V
 Audio output power (d=10% Ohm) 250 mW

CT 170

REAL DIMENSIONS



LD TRANSCEIVERS

COD. C 323 HANDHELD VHF TRANSCEIVER

HANDHELD VHF TRANSCEIVER
CT 170 D COD. C 323.01
CT 170 E COD. C 323.02

This multifunctional transceiver may be easily used thanks to its versatility. Very small and light, it can be used as both amateur and professional transceiver. The front keyboard with relief keys is very useful and all data are transferred to the practical liquid crystal display that is illuminable under conditions of scarce brightness. The CT 170 allows memory storing of 20 channels and can be supplied through an external socket that can be connected to a 16 Vdc power supply source. It is equipped with a special circuit (APO) enabling it to reduce consumption to 5 mA even if it remains in reception on the programmed channel.

TECHNICAL SPECIFICATIONS

GENERAL

Frequency range	
138.000-174.995 MHz	Mod. (CT 170 I C 323)
130.000-170.000 MHz	Mod. (CT 170 D C 323.01)
144.000-146.000 MHz	Mod. (CT 170 E C 323.02)
Modulation type	F 3
Microphone input impedance	600 Ohm
Loudspeaker impedance	8 Ohm
Operating voltage	5-16 Vdc
Nominal input voltage	7.2 Vdc
Current drain	
During transmission	
13.8 V (5.0W)	950 mA
13.8 V (2.5W)	650 mA
13.8 V (0.35W)	350 mA
7.2 V (2.0 W)	650 mA
7.2 V (0.35W)	350 mA
Standby	35 mA
Battery saving	13 mA
APO	5 mA
Dimensions (HxWxD) battery excluded ..	83.5 x 55 x 31 mm
Weight (without batteries and antenna) ..	185 gr.

TRANSMITTER

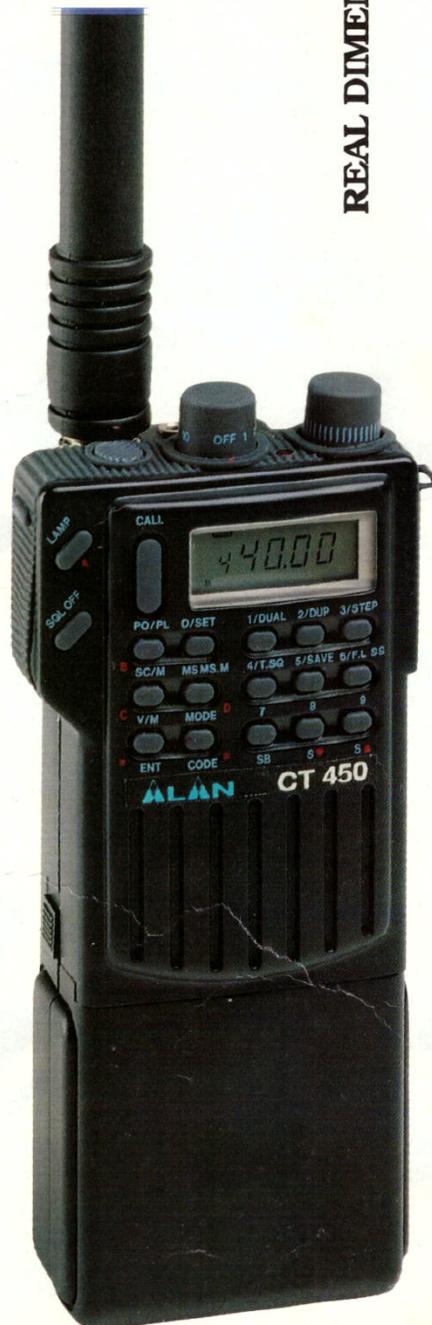
RF Output power	
H	1 W (with 4 pc. battery pack)
.....	2.5 W (with 6 pc. battery pack)
.....	2 W (with BSC 72 and PB 72)
.....	5 W (with PB 72)
M	2.5 W
L	0.35 W
Frequency modulation	in variable reactance
Maximum deviation	± 5 KHz
Spurious suppression	> 60 dB
Call tone	1750 Hz
N° memory channels	20
Channel spacing step	5/10/12.5/20/25/50 KHz
Shift frequency	0 - 39.995 MHz

RECEIVER

Double conversion superheterodyne	
1st I.F.	21.8 MHz
2nd I.F.	455 Hz
Sensitivity	-10 dBμ
S/N (0.5 μV)	30 dB
Squelch sensitivity	0.1 μV
Audio output power (d=10% Ohm)	250 mW

CT 450

REAL DIMENSIONS



COD. C 307 HANDHELD UHF TRANSCEIVER

Compact handheld VHF amateur transceiver, multifunctional, high power and simple use. The microprocessing operation enables this transceiver to be used as both amateur and professional transceiver by operating storages, scans and all special functions in a very simple way. A special circuit (APO) reduces the battery consumption to 5 mA.

A practical liquid crystal display can visualize all functions, even under conditions of scarce brightness, through the timed lighting. This transceiver can be supplied through an external socket to be connected to a 6 to 16 Vdc supply source.

TECHNICAL SPECIFICATIONS

GENERAL

Frequency range	400-470 MHz
.....	430-439.995 MHz
Modulation type	F 3
Microphone input impedance	600 Ohm
Loudspeaker impedance	8 Ohm
Operating voltage	5-16 Vdc
Nominal input voltage	7.2 Vdc
Current drain	
During transmission	
13.8 V (5.0W)	1300 mA
13.8 V (2.5W)	950 mA
13.8 V (0.35W)	480 mA
7.2 V (2.0 W)	900 mA
7.2 V (0.20W)	490 mA
7.2 V (0.35 W)	38 mA
Standby	38 mA
Battery saving	14 mA
APO	5 mA
Dimensions (HxWxD) battery excluded ..	83.5 x 55 x 31 mm
Weight (without batteries and antenna) ..	185 gr.

TRANSMITTER

RF Output power	
H	1 W (with 4 pc. battery pack)
.....	2.5 W (with 6 pc. battery pack)
.....	2 W (with BSC 72 and PB 72)
.....	5 W (with PB 72)
M	2.5 W
L	0.35 W
Frequency modulation	in variable reactance
Maximum deviation	± 5 KHz
Spurious suppression	> 60 dB
Call tone	1750 Hz
N° memory channels	20
Channel spacing step ..	5/10/12.5/20/25/50 KHz
Shift frequency	0 - 39.995 MHz

RECEIVER

Double conversion superheterodyne	
1st I.F.	28.05 MHz
2nd I.F.	455 Hz
Sensitivity	-10 dBμ
S/N (0.5 μV)	30 dB
Squelch sensitivity	0.1 μV
Audio output power (d=10% Ohm)	250 mW

ACCESSORIES FOR CT 145 CT 170 CT 450



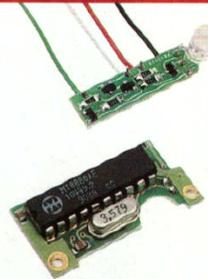
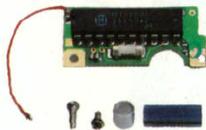
PB 120 COD. F 308
RECHARGEABLE NiCd BATTERY PACK Output voltage 12 V • Capacity 600 mA/h • Recharge current 60 mA • Dimensions 32x75x53 mm • Weight 215 gr. • Type NiCd

PB 72 COD. F 307
RECHARGEABLE NiCd BATTERY PACK Output voltage 7.2 V • Capacity 700 mA/h • Recharge current 80 mA • Dimensions 30x55x53 mm • Weight 170 gr. • Type NiCd

BSC 72 COD. F 319
RECHARGEABLE BATTERY SYSTEM Consisting of: Slow charger. Double rechargeable slide. 6 x batteries NiCd 1.2 V 700 mA/h "AA" type to be used with the supplied battery case. Batteries can be recharged either from network 220 Vac. by the slow charger, or from the car cigarette lighter plug using the cable (Cod. C 277 not supplied). They can be replaced without any expert help. It is possible to recharge the batteries even when the radio is working.

BS 170 COD. F 322
CAR ADAPTOR + BOOSTER Equipped with HIGH/LOW Power switch. The TX and RX switching is made by relay. It spares the batteries and can be used with a mobile antenna. It is advisable to use it with an external microphone. TECHNICAL SPECIFICATIONS: Voltage 13.8 Vdc • Radio voltage 13.8 Vdc • Current drain 5 A • Frequency range 130-175 MHz • Capacity 600 mA/h • Max. output power 30 W • Impedance 50 Ohm • IN/OUT connector BNC/SO 239 • Dimensions 120x110x45 mm • Weight 600 gr.

MA 18 VOX
 COD. F 214
MICROPHONE/VOX



RTN 100 COD. C 331
tone SQUELCH BOARD Type ENCODER/DECODER • Standard TONE SQUELCH/CTCSS • Reference frequency 3.579545 MHz • Output level 210 mV • N° of tones 38 (67-250.3 Hz) • Tone distortion <10%

RTS 100 COD. C 330
DTMF BOARD FOR CT 170 Type ENCODER/DECODER • Standard DTMF • Reference frequency 3.579545 MHz • Output level 280-440 mV • N° of tones 16 • Tone distortion <10%.

DTF 145 COD. C 330.01
DTMF BOARD FOR CT 145. Type ENCODER/DECODER • Standard DTMF • Reference frequency 3.579545 MHz • Output level 280-440 mV • N° of tones 16 • Tone distortion <10%

CUSTODIA COD. C 338
CARRY CASE COD. C 338
 Anti-scratch carry case for CT 145 - CT 170 - CT 450 - Standard C 150 with adjustable length for BSC 72 and battery packs 6 V - 7.2 V - 12



MA 20 COD. C 303
MICROPHONE/SPEAKER

MA 22 COD. C 302
MICROPHONE/SPEAKER

CA 120 COD. C 332 WALL CHARGER FOR PB 120 Power supply 220 V - 50 Hz • Output voltage 15 V • Output current 60 mA • Output connector type dia. 3 mm

COD. F 316
700 mA SINTERED BATTERIES
 Packed in 50 pieces.

CA 72 COD. F 315 WALL CHARGER FOR PB 72 Power supply 220 V - 50 Hz • Output voltage 9.4 V • Output current 80 mA • Output connector type dia. 3 mm

COD. C 335
DC POWER CORD WITH LIGHTER PLUG.

VHF HANDHELD TRANSCEIVERS

CT 1600 Cod. F 146

HANDHELD VHF TRANSCEIVER

CT 1600 is a complete 144 MHz VHF transceiver. It is provided with external microphone and speaker jack, battery charger, Jack and Led. The frequency selection is done through 3 thumbwheel rotary switches.

TECHNICAL SPECIFICATIONS

Frequency range 140+150 MHz • N° of channels 800 • Output power 1/3 W switchable + 600 KHz shift for amateur repeaters. • Channel spacing 10 KHz • Further step of 5 KHz on channel spacing. • 1750 Hz audio tone while transmitting to reach relay links. • Power supply NiCd 10.7 Vdc rechargeable battery pack.



CT 1700 Cod. C 176

HANDHELD VHF TRANSCEIVER

CT 1700 is a 144 MHz VHF transceiver provided with DTMF telephone keyboard. It is also provided with external microphone and speaker jack, battery charger and led. The frequency selection is done through 3 thumbwheel rotary switches. When using the CT 1700 with its proper interface, it is possible to make and receive phone calls even at a long distance from the base telephone.

TECHNICAL SPECIFICATIONS

Frequency range 140+150 MHz • N° of channels 800 • Output power 1/3 W switchable • + 600 KHz shift for amateur radio links. • Channel spacing: Further step of 5 KHz on channel spacing. • Telephone keyboard: DTMF • Power supply NiCd 10.7 Vdc • Rechargeable battery pack



CT 1800 Cod. C 259

HANDHELD TRANSCEIVER

CT 1800 is a handheld VHF transceiver operating in the frequency band from 140 to 170 MHz. It is provided with external microphone and speaker jack, battery charger jack and Led. The frequency selection is done through 4 thumbwheel rotary switches.

TECHNICAL SPECIFICATIONS:

Frequency range 140+170 MHz • N° of channels 2600 • Output power 1/3 W switchable • + 600 KHz shift for amateur radio links. • Channel spacing: Further step of 5 KHz on channel spacing. • 1750 Hz audio tone for radio link connection. • Power supply NiCd 10.7 Vdc • Rechargeable battery pack



ACCESSORIES INCLUDED FOR TRANSCEIVERS CT 1600 - CT 1700 - CT 1800: HELICAL ANTENNA • WALL BATTERY CHARGER • BELT CLIP • EARPHONE • WRIST BELT

ACCESSORIES FOR CT 1600·CT1700·CT1800



BS 25 MK2

COD. F 215
Car adaptor



MA 18 VOX

COD. F 214
Headset with Vox microphone



MA 20

COD. C 303
Speaker / microphone



MA 22

COD. 302
Speaker / microphone



PB 8012 COD. C 325
Rechargeable NiCd battery pack. 12 Vdc 600 mA/h



COD. F 188
Rechargeable battery pack. 9.6Vdc 600 mA/h



COD. F 158
Dry battery pack.



CT 60 N COD. C 292
Desk battery charger. Power supply 220 Vca.



CA8012 COD. C 328
Wall charger for PB 8012.



COD. C 229
Wall charger for NiCd batteries 150 mA

COD. C 277
Anti-scratch holder for CT 1600 - CT 1800 - CT 6V



COD. C 227
Power cord with car lighter plug.



COD. G 159
Helical antenna
Frequency 140 - 154 MHz

COD. G 160
Helical antenna
Frequency 154 - 170 MHz

SCANNER 1300



Cod. C 324 PROFESSIONAL RECEIVER WITH PORTABLE AM/FM SCAN WITH NON-STOP COVERAGE 8/600 MHz AND 805/1300 MHz

This wide band receiver, very light and compact, allows automatic scanning and manual tuning thanks to its versatility. Various ways of reception may be selected (from 8 to 600 MHz) AM and FM (wide band and low band). The SCANNER 1300 is already originally programmed on 10 bands but can be easily reprogrammed by the user. It has 1000 Memory channels divided in 100 channels per band with a channel spacing step to be selected between 5 and 995 KHz with 5 and 12.5 KHz increases. In order to lower the receiver's sensitivity when there are very loud signals, it is equipped with a RF attenuator. The SCANNER 1300 can be supplied by the car cigarette lighter cord and by an outer supply source as well as by the rechargeable batteries that are already part of the equipment.

- Illuminable liquid crystal display.
- LOCKOUT function: it is used for excluding channels or bands not disconnected.
- Priority frequency to be selected on the whole range.
- Equipped with two antennas to be used in VHF/UHF/FM/CB bands.
- The SCANNER 1300 is also supplied with a practical instruction manual.

TECHNICAL SPECIFICATIONS

Frequency range	8 - 1300 MHz
Band A	8 - 600 MHz
Band B	805 - 1300 MHz
Reception	AM - FM low - FM wide
Memory channels	1000
Scanning speed	20 channels / sec.
Sensitivity	FM = > 0.5 µV
Antenna connector	BNC
BF power	100 mW
Power supply	4,8 Vdc (NiCd batteries)
Current drain	85/100 mA
Display	LCD
Dimensions	170 x 35 x 65 mm
Weight	300 gr.

ALAN 1

Cod. C 294 SCANNER RECEIVER WITH AUTOMATIC SCAN FROM 26 TO 512 MHz

Mobile scanner able to cover, as well as the CB band, all the other bands of major interest. Very handy, made with high quality materials, it has state-of-the-art technology and modern design. It allows the immediate storage of RF signals and the relative channel searching on bands, thanks to 50 memory channels. Possibility to exclude from the scan the unrequired frequencies or channels through the LOCKOUT function. In addition, it is possible to automatically scan, every 2 seconds, one frequency (previously stored on the channel 1) thanks to the PRIORITY button, without interfering on the listening frequency. It also enables you to easily select the reception of the CB band, both AM and FM, by means of the switch placed on the front panel.



TECHNICAL SPECIFICATIONS

Frequency band	26.0 - 30 MHz
.....	66.0 - 88 MHz
.....	118.0 - 138.0 MHz
.....	138.0 - 178 MHz
.....	360.0 - 512 MHz
Reception	AM/FM
Memory channel	50
Antenna connector	SO 239
Power supply	12 Vdc
Display	LCD
Dimensions	210 x 158 x 52 mm
Weight	1.2 Kg

RADIO TELEPHONE



ALLOW THE USE OF YOUR HOME TELEPHONE AS A MEDIUM-RANGE PORTABLE TELEPHONE

In fact, a pair of VHF/UHF transceivers make the connection from mobile station to base station possible; then you can connect to your telephone line by using the LMR 2 telephone interface. In this way you can make or receive long distance telephone calls by simply using the transceiver.

This kit has been designed to allow you a FULL DUPLEX operation (using dual band units not supplied), making the operation exactly the same as the cellular telephone communications, avoiding losing words during the conversation, as happens with the duplex systems; furthermore you can talk and listen at the same time. Two solutions have been worked out to meet your requirements:

- RURAL PHONE V**, for mobile installation
- RURAL PHONE H**, for handheld use

The kit can be used with any dual band unit among the ones available on the market; you only have to adjust the connections of the interface to those required by the radio. (The interface is supplied already preset for standard transceivers C 520 and similar).

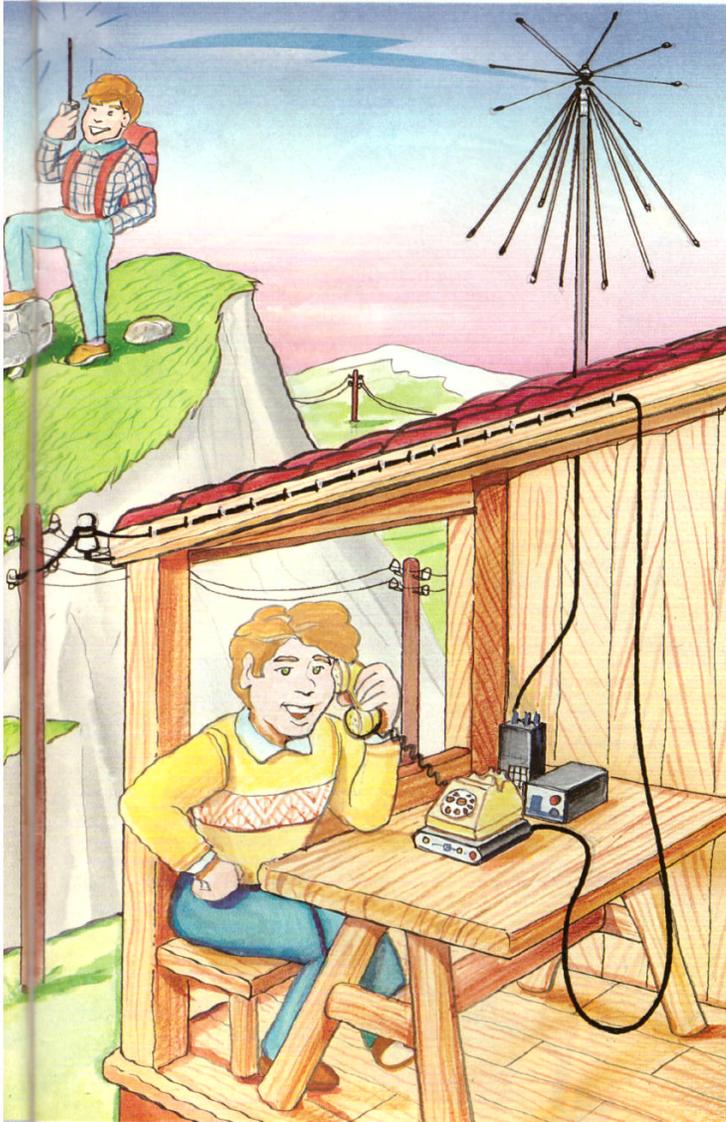
RURAL PHONE V

Cod. C 360.01

- COMPOSED OF:
- LMR 2 Telephone interface
 - K 35 Power supply
 - SKY BAND Base antenna
 - 701 K-C DTMF handset
 - CT2 V/U Dual band mobile antenna
 - RG 58 11 m extension
 - UG 255 Adaptor for BNC/SO 239



PHONE SYSTEMS



RURAL PHONE H Cod. C 360

COMPOSED OF:

- **LMR 2** Telephone interface
- **K 35** Power supply
- **SKY BAND** Base antenna
- **RG 58** 11 m extension
- **UG 255** Adaptor for BNC/SO 239



KIT TELEFONICO SEMI-DUPLEX

Cod. C 348 TELEPHONE KIT FOR CT 1700

This kit has been designed to give opportunity to use your home telephone, that is to say, to make or receive phone calls, as a MF handheld telephone. Using two CT 1700 keyboard transceivers (included) it is possible to make a connection between a mobile station and the base station and, through the interface, to connect with the phone line. It can be also used as an interphone or as a couple of transceivers on the band 142 - 150 MHz.

Il kit comprende:

- **LMR 2**. TELEPHONE INTERFACE
- **K 35**. POWER SUPPLY
- **GP 150**. BASE ANTENNA
- **UG 255**. 2 CONNECTORS
- **NEW AMBRA 144** (144 MHz) ANTENNA
- **MAGNETIC MOUNT**
- **RG 58**. 10 m CABLES



LMR 2 Cod. C 339

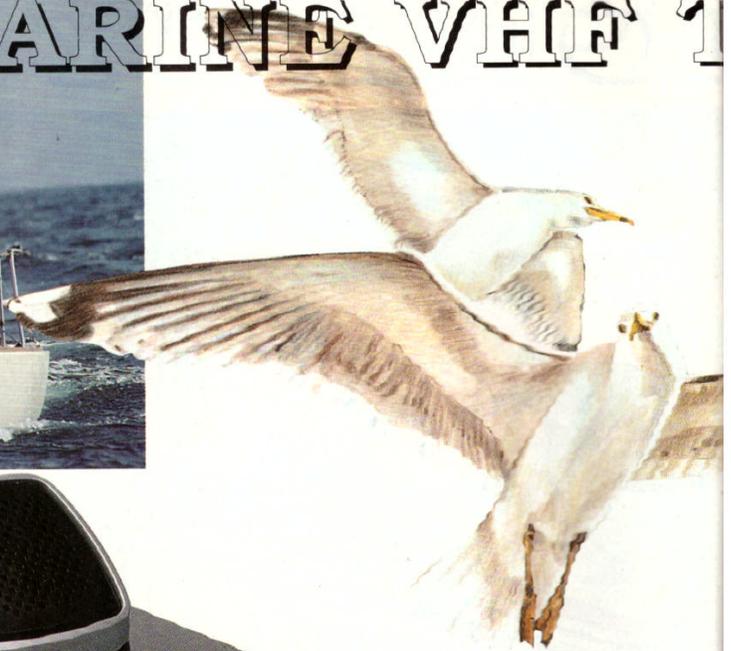
DTMF TELEPHONE INTERFACE WITH VOX Telephone interface with new design, programmable by the user according to his own requirements. This interface is particularly suitable for its capacity to operate perfectly with transceivers in Simplex mode thanks to the DELAY VOX circuit, which allows to talk as it was a telephone. The Duplex mode operation (with dual band units) can be programmed from the keyboard. The LMR 2 is equipped with the following functions:

- Access code programmable up to 8 digits
- Switching off code
- 10 telephone memories
- Interphone function
- TONE/PULSE systems

TECHNICAL SPECIFICATIONS

Supply voltage	10-15 Vdc
Current drain	250 mA
Audio out level	30 mV
Audio in level from the telephone line	1 V
Output level to the telephone line	1 V
Radio connection	For CT 145/CT 170/CT 450/CT 1600/CT 1700/ CT 1800

MARINE VHF 1



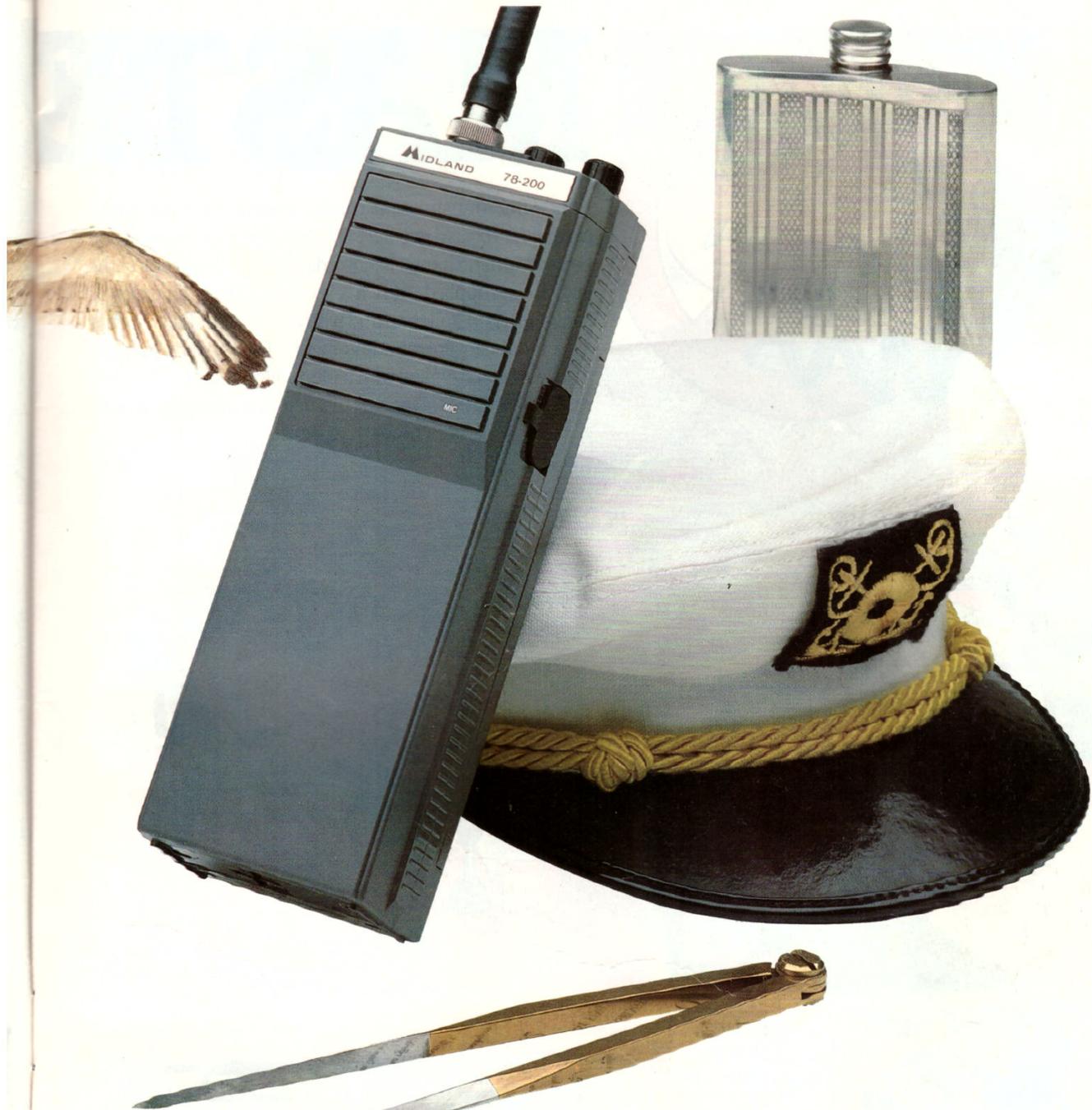
78/101

Cod. G 444

Marine transceiver supplied with LCD display for maximum visibility in all conditions. MIDLAND 78/101 is the most advanced solution of VHF radiotelephone available on the market. The computerized 78/101 allows an easy selection of functions which are not available in any other transceiver. As in all transceivers, the front panel can be mounted in such a way as to have the controls always rightly positioned. In addition, the front panel is a real console with the indicators to check how the radio is operating (level of received signal included). Thanks to an internal signal, the channels can be selected by the microphone (up to 4 mt from the transceiver). No doubt 78/101 is top-quality equipment.

GENERAL SPECIFICATIONS: Power supply 12 Vdc • Weight 2200 gr. (about)
RECEIVER: Number of channels 55 + 9 WEATHER • Frequency range 156.025 MHz to 162.550 MHz • Channel spacing 25 KHz • Sensitivity 0.35µV (@ 12 dB SINAD) • Frequency stability 0.001% from -20°C to +50°C • Modulation acceptance bandwidth 7.5 KHz min • Adjacent channel selectivity 70 dB min • Spurious response attenuation 70 dB min • Intermodulation spurious response 60 dB min • Audio power output 3W min (@ 10% THD, 4Ω) • Audio frequency response Per EIA specification 1 IF (21.4 MHz); 2 IF (455 KHz) • Receiver current drain 1A MAX. • **TRANSMITTER:** Number of channels 55 • Frequency range 156.025 MHz to 162.550 MHz • Channel spacing 25 KHz • Modulation 16F3 • RF Power (switchable) HI 25W; LO 1W • Frequency stability 0.001% from -20°C to +50°C • Antenna impedance 50Ω • Spurious and Harmonic emissions 70 dB down or greater • Microphone Dynamic • Current drain 5.5A (HI) 1.5A (LO).

TRANSCEIVERS



78/200

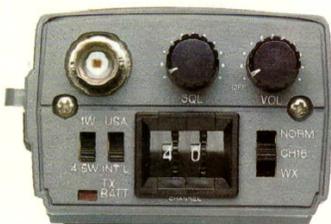
Cod. G 264 APPROVAL N° 0021594 DATED 08/05/90

The new radiotelephone Midland 78/200 selects the 120 available channels through a simple digital switch, thanks to multifunctional commutator. By means of multifunctional switches it is possible to select Usa or international channels, rapid channel 16, meteo channels and

low battery (1 - 0.1 W) to obtain longer life of same. External sockets and loudspeaker are waterproof. The unit is supplied with: • connecting cable for external battery • battery charger • antenna • batteries and case

TECHNICAL SPECIFICATIONS

Channels 55 USA, 55 INT, 10 METEO • Current drain 0.9 A for high power - 0.15 A for low power • Sensitivity 0.3 μ V at 12 dB SINAD • Audio output 300 mW with 10% distortion • Squelch 0.35 μ V • RF output power 1/0.1 W • Dimensions 184x71x48 mm • Weight 550 gr.

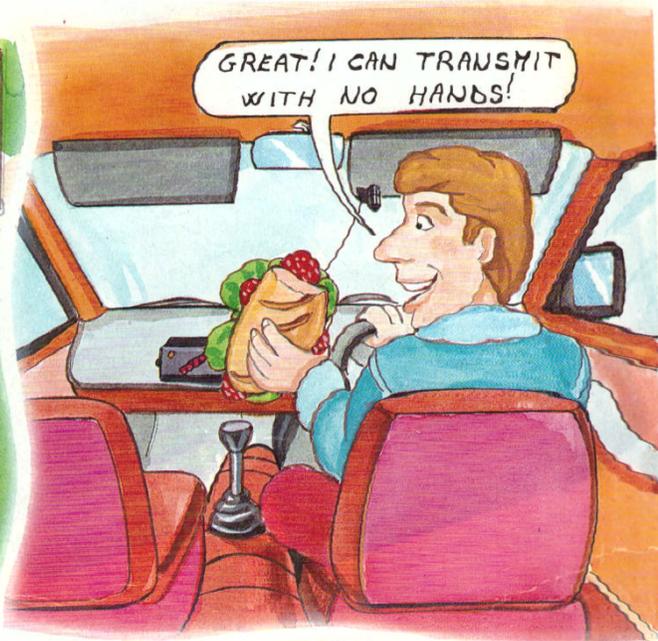
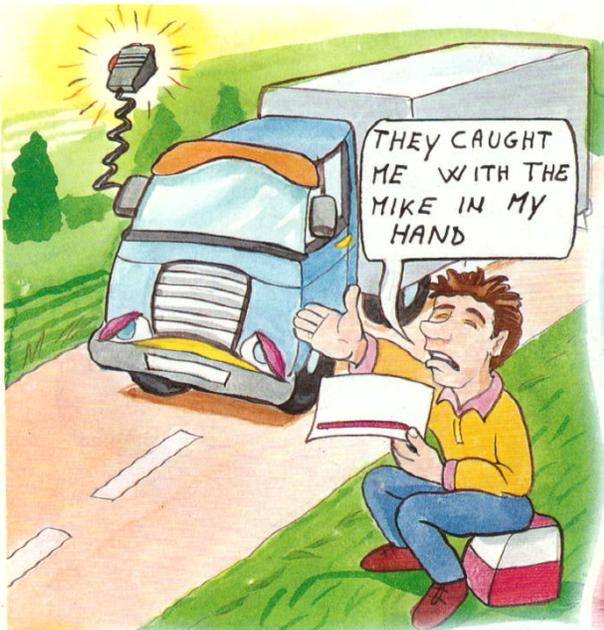


HANDS-FREE TRANSMISSION CONTROL

MASTE



Hands-free transmission control system for transceivers (vox). It has been designed to be installed on vehicles; it can be used with no hands in accordance with provisions of the law. It is supplied with a clip microphone in order to facilitate the installation and with a double function led bar for a more convenient adjustment. This system - unique in its kind - is supplied with a plug which allows, only when the vehicle is not running, the use of a microphone with echo effect or with Roger.



CONTROL SYSTEM FOR TRANSCEIVERS

MASTER HFS

PATENTED

Cod. 351



- Microphone sensitivity control knob (bar led indication).
- Transmission threshold control knob (fixed led indication).
- High/low luminosity switch.
- ON/OFF switch.
- Carrier release delay selector 1 or 2 seconds.
- High luminosity led scale with double indication:
 - transmission threshold - (fixed led on the bar)
 - instantaneous voice level and of the noise from the hands-free microphone (variable led bar)
- Transmission indicator lamp
- Connection cable to the transceiver, with a 4-contact connector for ALAN 48 and external power supply wire.
- Hands-free microphone plug.
- Plug for optional microphone, standard type.
- Hands-free microphone to be fixed at the shortest distance from your mouth.
- Dashboard fixing bracket.

SPECIFICATIONS

Impedance	600 Ohm
Frequency response	300 ± 5000 Hz
Power supply	13.8 Vdc
Capsule type	Condenser
Output level	50 mV
Connection cables	4 Pin with connector
Connector	Micro 4 + Plug 4
Type	Hands-free Vox System
Weight	500 g
Dimensions (HxWxD)	59x170x121 mm.

HAND MIC



RK 56 COD. C 305

PROFESSIONAL MICROPHONE WITH DYNAMIC DIFFERENTIAL NOISE CANCELLING CAPSULE

Particularly suitable for use in very noisy environments since it enables the considerable reduction of background noises. Highly recommended for mobile CB and high modulation. A spiral cable made of silicone rubber with 6 wires allows it to be used with any transceiver.

TECHNICAL SPECIFICATIONS

Impedance	2000 Ohm
Sensitivity	-72 dB (Ref.: 0 dB = 1 V / μ Bar)
Type of capsule	Dynamic / Differential
Output level	55 dB
Dimensions	90 x 60 x 50 mm
Connecting cables	6 wires (1.8 mt)
Weight	200 gr.
Type	Noise Cancelling
Frequency response	100 Hz - 8 KHz

MA 20 COD. C 303

SPEAKER MICROPHONE

It can be used with RTX type CTE, ICOM, YAESU, KENPRO, ALAN 80 A etc...



MA 22 COD. C 302

MINI SPEAKER MICROPHONE

It can be used with RTX type CTE, ICOM, YAESU, KENPRO, ALAN 80 A



F 26

COD. C 340

ELECTRONIC NOISE CANCELLING MICROPHONE. Quality hand microphone supplied with adjustable preamplifier, electronic noise cancelling function and double end transmission tone. • No-slip rubber covering for better handling. • High quality coiled cable • Wired with Micro 4 connector for ALAN 48-68-44 etc...

TECHNICAL SPECIFICATIONS

Impedance	600 Ohm
Frequency response	300-3000 Hz
Supply voltage	9 Vdc
Current drain ...	15 mA TX - 0.1 mA RX
Capsule type	Condenser
Output level	50 mV
Dimensions	105 x 65 x 45 mm
Connection cable	coiled
Battery type	9 Vdc
Weight	150 gr. (without batteries)
Connector	Micro 4
Functions	Roger Beep - Noise Cancelling - Preamplified



F 46

COD. C 341

ELECTRONIC NOISE CANCELLING MICROPHONE. Quality hand microphone supplied with adjustable preamplifier, electronic noise cancelling function, double end transmission tone and UP/DOWN buttons. No-slip rubber covering for better handling. • High quality coiled cable • Wired with Micro 5 connector for ALAN 48-68-44 etc...

TECHNICAL SPECIFICATIONS

Impedance	600 Ohm
Frequency response	300-3000 Hz
Supply voltage	9 Vdc
Current drain ...	15 mA TX - 0.1 mA RX
Capsule type	Condenser
Output level	50 mV
Dimensions	105 x 65 x 45 mm
Connection cables	coiled
Battery type	9 Vdc
Weight	150 gr. (without batteries)
Connector	Micro 5
Functions	Roger Beep - Noise Cancelling - UP/DOWN - Buttons - Preamplified

ROPHONES



F 36 COD. C 298

PREAMPLIFIED MICROPHONE WITH ROGER BEEP AND UP/DOWN BUTTONS

Preamplified microphone with adjustable volume and bitonal Roger Beep that can be excluded. Equipped with UP/DOWN buttons for suitable models (e.g. ALAN 28). Thanks to fluorescent features it is visible even when driving at night. Comes complete with 6-point connector. Requires a 9 Vdc battery in order to be powered.

TECHNICAL SPECIFICATIONS

Impedance	600 Ohm
Frequency response	300-3000 Hz
Supply voltage	9 Vdc
Current drain	15 mA TX - 0,1 mA RX
Capsule type	Condenser
Output level	50 mV
Dimensions	105x65x45 mm
Connection cables	coiled
Battery type	9 Vdc
Weight	150 gr. (without batteries)
Connector	Micro 5
Type	Roger Beep - UP/DOWN Buttons - Preamplified



F 24 COD. C 279

PREAMPLIFIED MICROPHONE WITH ECHO AND ROGER-BEEP.

Quality hand microphone capable of adjusting and switchable echo and fitted with automatic two tone cut out end of transmission beep (ROGER-BEEP). Supplied with adjustable preamplifier and illuminated by means of fluorescent components. It has a micro 4 connector supplied with a 9 Vdc battery.



F 22 COD. C 263

PREAMPLIFIED ECHO MICROPHONE

It is possible to adjust echo repetition and amplification level. Echo effect may be switched off. It can be seen by night thanks to its phosphorescent details. It is supplied together with standard connector for 4 pole-microphone. It is powered by 9 V battery.



F 16 COD. C 256

PREAMPLIFIED MICROPHONE Preamplified adjustable microphone with double roger-beep for CB mobile station. Equipped with roger-beep ON/OFF switch and micro-4 connector. It can be seen by night thanks to its phosphorescent details. It is powered by 9 V battery.



F 10 COD. C 239

PREAMPLIFIED ADJUSTABLE MICROPHONE FOR CB MOBILE STATIONS. Thanks to the phosphorescent details, it is visible even during night drive. Supplied with 4- micro connector. It operates with a 9 V battery.

HAND MICROPHONES

YUPPIE COD. C 342

Preamplified **CORDLESS** microphone suitable for C.B transceivers and VHF Amateur Band units. With this microphone system, you can talk to your C.B. partner, while staying outside the vehicle cab, within a 10 mt range from the C.B. transceivers or other units. Supplied with adjustable preamplifier. The set comes with the cordless microphone and receiver (to be connected to the radio).

RECEIVER SPECIFICATIONS

Impedance 600 Ohm
 Sensitivity 0.5 μ V
 Frequency response ... 300 - 3000 Hz
 Power supply 13.8 Vdc
 Current drain 120 mA
 Output level 50 mV
 Connection cables
 Coiled with connector
 Connector Micro 4

TRANSMITTER SPECIFICATIONS

Channels 1
 Frequency range VHF
 Frequency control With crystals
 Frequency tolerance + 100 Hz
 Operating temperature range 0 - 45° C
 Microphone Condenser type
 Power supply 9 Vdc battery
 Current drain 10 mA
 Dimensions 105 x 65 x 45 mm
 Weight 150 gr
 Antenna connector Wire antenna
 Type Preamplified with
 gain control



F 11 SOUND COD. C 345

• The F 11 model has been conceived to satisfy the classical music fans

F 12 SEX COD. C 346

• The F 12 model is particularly suitable for lovers

F 13 BELLS COD. C 347

• The F 13 model in order to be heard

THIS IS THE FIRST MICROPHONE SERIES WITH HI-FI RECORDING.

From one single base model, we obtained three microphones with musical pieces and special effects, to be transmitted as a background of your voice. All the models are preamplified microphones with adjustable volume and supplied with the "play" button for listening the recorded piece.



HAND MICROPHONES

A NEW MICROPHONE SERIES WITH ADJUSTABLE PREAMPLIFIER

Particularly ergonomic design which allows a perfect grip and makes each command easy to activate without having to look for it as it is right under your fingers.
Extremely robust because made of reinforced anti-shock plastic and equipped with long coiled cable covered by a soft and resistant sheath.

CONTROLS

- PTT button
- Preamplifier adjustment
- Transmission led
- 9 Vdc Battery housing
- Midland/Man suitable cable

TECHNICAL SPECIFICATIONS

Impedance	600 Ohm
Frequency response	300-3000 Hz
Supply voltage	9 Vdc
Current drain	15 mA TX - 0.1 mA RX
Capsule type	Condenser
Output level	50 mV
Connecting cable	Coiled
Battery type	9 Vdc
Connector	Micro 4
Dimensions (HxWxD)	110x70x45
Weight	150 gr (without battery)

MASTER VOICE MV 50 COD. C 353

IT'S A DIFFERENT TUNE! With the new MASTER VOICE MV 50 you can change music anytime you want thanks to the interchangeable boards from the series MV 5000. These boards (optionals) allow you to blend your voice to musical excerpts or sound effects which are pre-recorded for a duration of 10 seconds. All you have to do is to fit them into the appropriate slot, press the PLAY button and your music comes on!

'93 COLLECTION:

MV 5001 Cod. C 354.01

"Cavalcata delle Valchirie"

MV 5002 Cod. C 354.02

"The pink panther"

MV 5003 Cod. C 354.03

"Popeye"

Soon available:

"Tarzan, John, Train arriving" and many others



MASTER MIKE MM 57

COD. C 368

- ON/OFF switch to isolate the **Bitonal Roger-Beep**

MASTER MIKE MM 59

COD. C 359

- Adjustable ECHO
- ON/OFF switch to isolate the **Bitonal Roger-Beep**

MICROFONI DAP.



DM 510 COD. C 146

PREAMPLIFIED MICROPHONE
Completely in ABS.

TECHNICAL SPECIFICATIONS
Impedance 1 KOhm at 1 KHz
Frequency response 200 - 5000 Hz
Supply voltage ... 1.5 Vdc batteries (optional)



MIDLAND COD. T 059

ORIGINAL MICROPHONE WITH MICRO 4 CONNECTOR

COD. C 200
ORIGINAL MICROPHONE Equipped with pentapolar plug. It is adaptable to transceivers ALAN 67, ALAN 69 and 77/102.



MDL 4190 COD. C 074

UNIVERSAL DYNAMIC MICROPHONE

TECHNICAL SPECIFICATIONS
Impedance 500 Ohm



MP2 SADELTA

COD. C 224
Adjustable **PREAMPLIFIED MICROPHONE**

ME3 SADELTA

COD. C 225
Adjustable **PREAMPLIFIED MICROPHONE**
with Echo.



MC7 COD. C 267

PREAMPLIFIED MICROPHONE equipped with ceramic capsule. This allows optimum modulation even under extremely difficult conditions.

TECHNICAL SPECIFICATIONS
Impedance 1500 Ohm
Frequency response 200 - 7000 Hz
Supply voltage 9 Vdc



MB4PLUS COD. C 268

PREAMPLIFIED MICROPHONE equipped with ceramic capsule. This allows optimum modulation even under

TECHNICAL SPECIFICATIONS
Impedance 1000 Ohm
Gain 35 dB
Supply voltage 9 V

ALMO

BASE STATION MICROPHONE



MS4 COD. T 723

UNIVERSAL DYNAMIC MICROPHONE

TECHNICAL SPECIFICATIONS

Impedance 500 Ohm



701 K-C COD. C 255

MICROPHONES WITH HANDSETS supplied with bracket containing DTMF keypad - 16 keys, additional speaker with adjustable sound volume. It can be connected to a further outer speaker and used with HAM-CB transceivers. with adjustable sound volume. It can be connected to a further outer speaker and used with HAM-CB



ECHO MASTER PRO COD. C 343

Base station microphone for C.B. transceivers with double end transmission tone "ROGER BEEP", echo effect with adjustable amplitude level and scanning length. Supplied with adjustable internal preamplifier, Lock button for continuous transmission and output level indicator.

TECHNICAL SPECIFICATIONS

Impedance 600 Ohm
 Frequency response 100-3000 Hz
 Power supply 9 Vdc
 Current drain 15 mA TX
 Capsule type Condenser
 Output level 50 mV
 Dimensions (HxWxD) 24.1x13.8x17.3 mm
 Connection cables Coiled 6 wires
 Battery type 9 Vdc/13.8 Vdc Radio



CM 40 COD. C 269

BASE PREAMPLIFIED MICROPHONE with dynamic compressor and control of the transmission tone. Powered by 9 Vdc battery.



ECHO MASTER PLUS COD. C 182

BASE PREAMPLIFIED MICROPHONE with Echo and Roger Beep. Preamplification and Echo adjustment. Lock button in transmission. Powered by 9 Vdc battery.

BRAVO PLUS

COD. C 214



BASE ADJUSTABLE PREAMPLIFIED MICROPHONE. Lock button in transmission. Powered by 9 Vdc battery.



EC 92 COD. C 301

ECHO CHAMBER.

It is a high-performanced unit and can be used with all CB transceivers. 13.8 Vdc power supply, double echo control knob for the number repeats and for the scanning length as well; TX/RX switching relay for the elimination of any autooscillation problem; double tone end transmission (Roger Beep). Led bar for monitoring the echo level, jack for prelistening earphone (included), internal protection fuse.

It is possible to turn the unit off or to disconnect the power supply while still operating the CB transceiver.

TECHNICAL SPECIFICATIONS

Impedance	600 Ohm
Frequency response	300+3000 Hz
Power supply	13.8 Vdc
Current drain	400 mA
Gain	1
Output adjustment	ECHO
Dimensions (H x W x D)	35 x 110 x 110 mm
Connection cables	coiled
Battery type	external power supply
Weight	400 gr.
Connector	MICRO 4
Type	Echo chamber + Roger Beep



EC 980 COD. C 169

ECHO CHAMBER

The EC 980 Echo chamber gives excellent performances and is one of the best devices presently existing on the market. It can be used on all transceivers, both with electronic switching and relay.

TECHNICAL SPECIFICATIONS

Supply voltage	12 Vdc \pm 10%
Current drain	80 mA
ECHO repetition time	100 mS adjustable
Distortion	less than 1%
Microphone impedance	500 - 50 KOhm



MM90 COD. C 270

CAR PREAMPLIFIED MICROPHONE

The special design of this microphone enables it to be mounted virtually in any position, for instance on the gear lever. On the practical transmission switch (P.T.T.) there are also the two controls of "UP" and "DOWN" channels (such controls can operate on the preset transceivers only).

TECHNICAL SPECIFICATIONS

Supply voltage	12 Vdc EXT.
Current drain	20 mA RX - 55 mA TX
Gain	20 dB
Output level	adjustable from 0 to 2 V
Frequency response	100 - 8500 Hz
Output impedance	1500 Ohm

MA18 VOX MT PLUS

COD. F 214

HEADSET WITH MICROPHONE FOR TRANSCEIVERS WITH SWITCHABLE AND ADJUSTABLE VOX CONTROL, LIKE ALAN 80 A, CT 1600, CT 1700, CT 1800 ETC...

- Adjustable position of loudspeaker on handset
- Adjustable electret boom microphone
- Manually operated P.T.T.
- Automatic voice activated P.T.T.
- Dry battery size 1.5 Vdc "AA"
- Adjustable delay and mike sensitivity
- NiCd battery 1.2 Vdc may be used
- Voice operated P.T.T. for transceivers + headset

COD. T 616

CB MICROPHONE TESTER TO SUIT ALL MAJOR BRANDS AND ALAN MICROPHONES IN PARTICULAR.

Checks the operation of TX and RX, and amplifies the audio signal from the microphone. It also tests Echo, power microphones Roger Beep etc.



GEE 89 COD. C 366

PAGER Six compact receivers powered by batteries. The paging takes place in 2 phases: the first through a sound signal, the second through the spoken message transmitted by the operator.

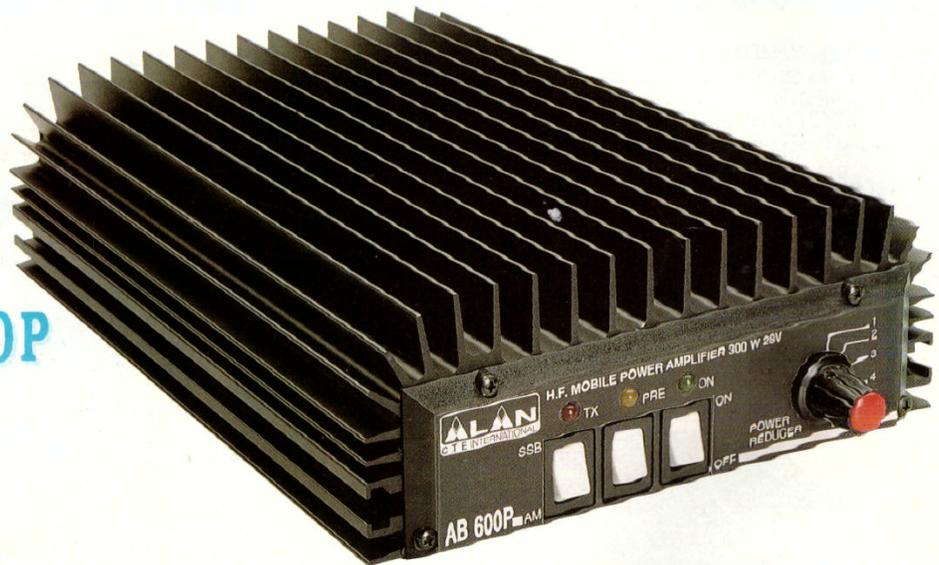
TECHNICAL SPECIFICATIONS

Frequency	27 MHz
Base power	6 W
Base supply	13.8 Vdc
Antenna connector	SO 239

MOBILE HF POW



K 1313



AB 600 P

K 1313 COD. T 613

BASE STATION VALVE LINEAR AMPLIFIER WITH DELAY FOR SSB/CW USE.
Watt indicator for output power. Antenna tuning knob and two-level input power adaptor.

TECHNICAL SPECIFICATIONS

Supply voltage	220 Vac - 50 Hz
Current drain	about 1.2 A
Frequency range	HF
Nominal output power	100 W AM - 200 W SSB
Max. output power	130 W AM - 250 W SSB
Input power	0.5-10 W / 1-20 W
IN/OUT impedance	50 Ohm
Input S.W.R.	< 1.3

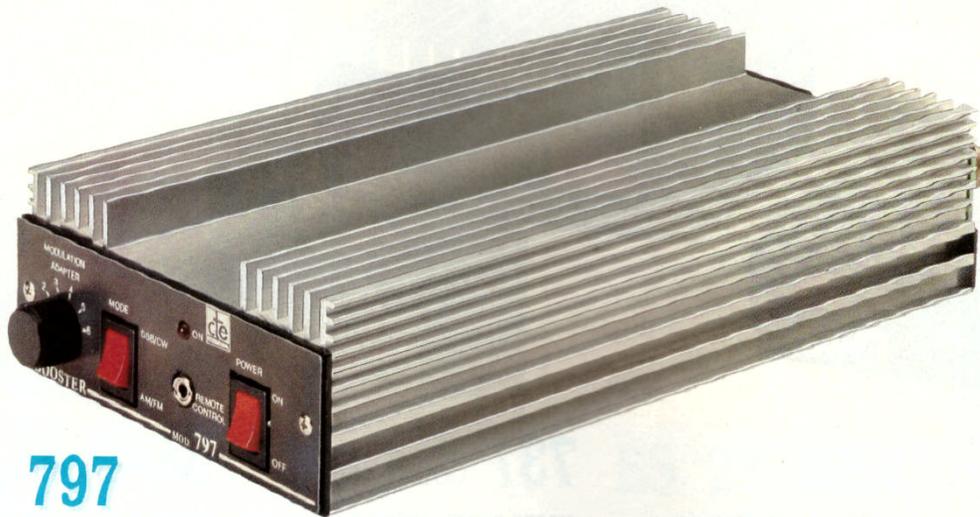
AB 600 P COD. T 732

H.F. POWER AMPLIFIER 300 W. H.F. mobile power amplifier with wide frequency range for truck. Output power 300 W at 28 with a 27 dB antenna preamplifier gain inRX mode. The 6 position "Power Reducer" is used to improve modulation. Switchable transmission delay SSB. Led indicators to visualize the operating functions

TECHNICAL SPECIFICATIONS

Supply voltage	28 Vdc
Current drain	11 A
Frequency range	HF
Output power	300 W AM/FM • 600 W SSB/CV
Input power from	0.5 to 10 W
Impedance	50 Ohm
Input S.W.R.	1.4:1 Max.
Preamplifier gain	27 dB
Dimensions (HxWxD) mm.	180x290x65
Weight	2100 gr.

POWER AMPLIFIER



797



AB 300

797 COD. T 606

LINEAR CB 220 W

Mobile HF power amplifier. Output power 220 W at 12 Vdc with 6-position "Modulation Adapter". It is used in order to improve modulation. Switchable transmission delay SSB/CW. Very low distortion circuits.

TECHNICAL SPECIFICATIONS

Supply voltage	13.8 Vdc
Current drain	28 A
Frequency range	HF
Output power	220 W AM/FM
.....	440 W SSB/CW
Input power	from 0.5 to 10 W
Impedance	50 Ohm
Input S.W.R.	1.4:1 max.
Dimensions	13 x 28 x 6 cm

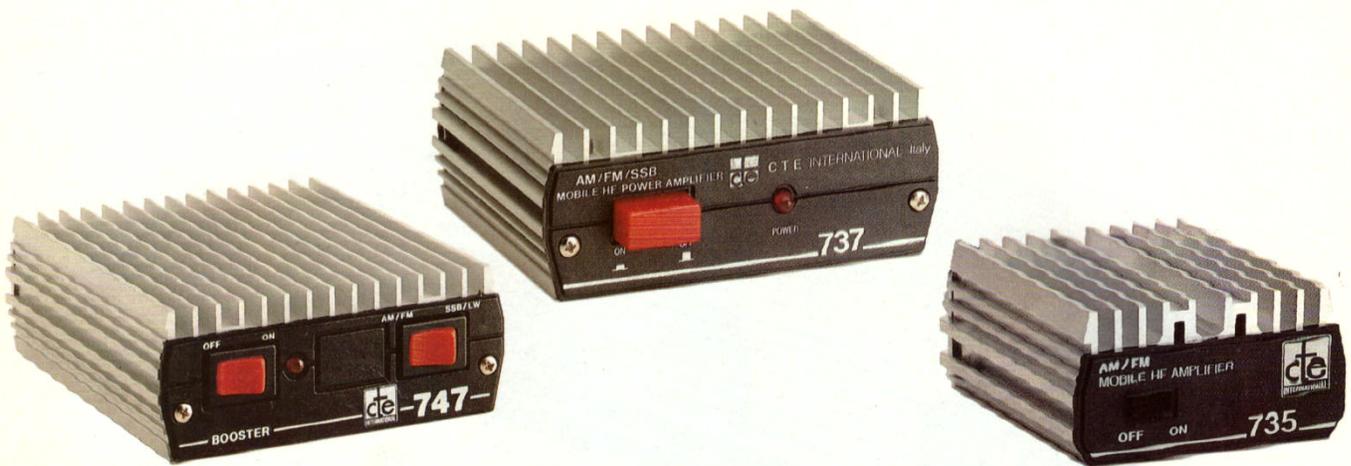
AB 300 COD. T 628

CB LINEAR AMPLIFIER The AB 300 is the new version of the former model 757. In fact, thanks to the 6-position "Modulation Adapter", the output power can be adjusted to suit requirements. Power remote control incorporated. Max output power 170 W. It can be used in SSB/CW mode, thanks to the internal switchable delay.

TECHNICAL SPECIFICATIONS

Supply voltage	13.8 Vdc
Current drain	18 A
Frequency range	HF
Output power	170 W max.
.....	350 W SSB
Input power	from 0.5 to 10 W
Impedance	50 Ohm
Input S.W.R.	1.3:1

MOBILE HF POWER AMPLIFIER



747 COD. T 595

POWER AMPLIFIER FOR MOBILE STATION. Thanks to the use of new MOS-FET technologies, it is possible to obtain an excellent power yield and a perfect, never compressed, modulation.

The switching of the delay time allows the use of the linear amplifier both in AM-FM and in SSB.

TECHNICAL SPECIFICATIONS

Supply voltage	13.8 Vdc
Current drain	9 A
Frequency range	HF
Output power	100 W
Input power	from 0.5 to 10 W
Impedance	50 Ohm
Input S.W.R.	1.4:1
Dim. (HxWxD)	42x108x145
Weight	400 gr.

737 COD. T 450

MOBILE POWER AMPLIFIER AM, FM, SSB.

TECHNICAL SPECIFICATION

Supply voltage	13.8 Vdc
Current drain	5 A
Frequency range	HF
Output power	50/80 W
Input power	0.5 - 10 W
Impedance	50 Ohm
Input S.W.R.	1.3:1

735 COD. T 594

MOBILE POWER AMPLIFIER WITH POWER MOS-FET.

TECHNICAL SPECIFICATION

Supply voltage	13.8 Vdc
Current drain	4.5 A
Frequency range	HF
Output power (5 W input)	95 W
Input power	0.5 - 7 W
Impedance	50 Ohm
Connectors	SO 239



SPIDER/D COD. T 572.01

Mobile power amplifier.

CARATTERISTICHE TECNICHE

Supply voltage	13.8 Vcc
Frequency range	HF
Output power (1W input)	30 W
Potenza d'ingresso	0.2-10 W
Impedance	50 Ohm
Connectors	SO 239
Internal fuse	5 A
Switching relay	

NEW MOSQUITO COD. T 014

MOBILE POWER AMPLIFIER NEW MOSQUITO has been redesigned to adapt it to the new line of CTE power amplifiers while maintaining the quality and flexibility of the traditional version.

TECHNICAL SPECIFICATION

Supply voltage	13.8 Vdc
Current drain	4 A
Frequency range	HF
Output power (5 W input)	30 W
Input power	0.5 - 8 W
Impedance	50 Ohm
Input S.W.R.	1.4:1 max.
Connectors	SO 239
Dimensions (W x D x H)	110 x 70 x 45 mm
Weight	200 gr.

BS 80 COD. T 622

CAR ADAPTOR + BOOSTER FOR ALAN 80 A BS 80 improves ALAN 80 A qualities and versatility. BS 80 allows the use of ALAN 80 CB in your car / house / boat as it supplies power directly (with remarkable battery saving). It allows its use with any mobile antenna and increases its output power up to 30 W. The use of an external microphone is recommended.

TECHNICAL SPECIFICATIONS

Voltage	13.8 Vdc
Frequency range	HF
Output power	30 W
IN/OUT Impedance	50 Ohm
Connector	TNC / SO 239
Internal fuse	5 A
Switching relay	

MOBILE VHF POWER AMPLIFIERS



BS 25 MK2

COD. F 215

CAR ADAPTOR + BOOSTER for VHF transceivers 140 - 170 MHz (CT 1600, CT 1700, CT 1800). The revised and updated version of BS 25 makes it possible to use a linear, even with wide band systems (CT 1800). It has been specially redesigned to adapt in the best possible way, to the best conceived car interiors.

TECHNICAL SPECIFICATIONS

Supply voltage 13.8 Vdc
 Current drain 5 A
 Frequency range 140 - 170 MHz
 Max power 25 W
 Input power 1 - 4 W
 Impedance 50 Ohm
 Dim. (HxWxD) 121x107x41
 Weight 500 gr.



BS 23 MK2

COD. T 640

CAR ADAPTOR + BOOSTER for transceivers VHF YAESU mod. FT23 and FT 411. BS 23 MK2 has been revised to improve its technical specifications to meet the requirements of the developed YAESU transceivers (FT 411). Thanks to its renewed aesthetics, this unit is suitable for the most refined car interiors.

TECHNICAL SPECIFICATIONS

Supply voltage 13.9 Vdc
 Current drain 5 A
 Frequency range 140 - 170 MHz
 Max power 25 W
 RF Input power 1 - 4 W
 Impedance 50 Ohm



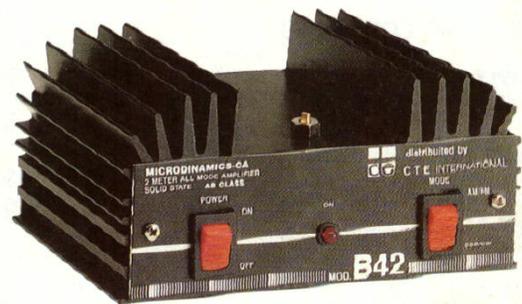
BS 170 COD. F 322

CAR ADAPTOR + BOOSTER FOR VHF TRANSCIVERS MOD. CT 145, CT 170, CT 450 WITH HIGH/LOW POWER SWITCH.

It is advisable to use this unit with an external microphone.

TECHNICAL SPECIFICATIONS

Voltage 13.8 Vdc
 Radio voltage 13 Vdc
 Current drain 5A
 Frequency range 130 - 175 MHz
 Max. output power 25 W
 Impedance 50 Ohm
 IN/OUT connector BNC / SO 239
 Weight 700 gr.
 Dimensions (HxWxD) 120x110x45



B 42 COD. T 423

LINEAR VHF AMPLIFIER FOR THE 2 METERS (144 MHz)
 Switchable for AM/FM or SSB/CW transmissions.

TECHNICAL SPECIFICATIONS

Supply voltage 13.8 Vdc
 Current drain 4 A
 Frequency range VHF 142 - 149 MHz
 Nominal output power 40 W
 Input power 0.5 - 10 W
 Max. output power 40 W
 Impedance 50 Ohm
 Input S.W.R. 1.3
 Dimensions (W x H x D) 140 x 70 x 120 mm
 Weight 700 gr.
 Connector SO 239

POWER

SUPPLY

K 35 COD. T 690

SEMI-PROFESSIONAL REGULATED POWER SUPPLY SUITABLE FOR EVERY USE. IDEAL FOR AM/FM CB TRANSCEIVERS.

TECHNICAL SPECIFICATIONS

Input supply voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Continuous output current 2 A
 Peak output current 3 A
 Dimensions (H x W x D) 185 x 105 x 81 mm
 Weight 1.8 Kg



K 45 COD. T 668

SEMI-PROFESSIONAL REGULATED POWER SUPPLY SUITABLE FOR EVERY USE.

TECHNICAL SPECIFICATIONS

Input supply voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Continuous output current 4 A
 Peak output current 6 A



K 75 COD. T 669

SUPPLY SUITABLE FOR EVERY USE. IDEAL FOR AM/FM CB TRANSCEIVERS.

CARATTERISTICHE TECNICHE

Input supply voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Continuous output current 6 A
 Peak output current 8 A
 Dimensions (HxWxD) 109x140x249
 Weight 4,500 kg.



K 105 COD. T 670

SEMI-PROFESSIONAL REGULATED POWER SUPPLY SUITABLE FOR EVERY USE.

TECHNICAL SPECIFICATIONS

Input supply voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Continuous output current 10 A
 Peak output current 12 A



POWER SUPPLY



K 205 COD. T 671

SEMIPROFESSIONAL REGULATED POWER SUPPLY SUITABLE FOR EVERY USE.

TECHNICAL SPECIFICATIONS

Input supply voltage	220 Vac - 50 Hz
Output voltage	13.8 Vdc
Continuous output current	20 A
Peak output current	22 A



K 305 COD. T 746

SEMIPROFESSIONAL REGULATED POWER SUPPLY SUITABLE FOR EVERY USE.

TECHNICAL SPECIFICATIONS

Input supply voltage	220 Vac - 50 Hz
Output voltage	13.8 Vdc
Continuous output current	35 A
Peak output current	40 A
Dimensions (HxWxD)	160x200x340 mm
Weight	1.4 Kg

P O W E R S

HQ 20 COD. T 664

LOW RIPPLE STABILIZED POWER SUPPLY

TECHNICAL SPECIFICATIONS

Input voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Output current 3 A rated
 Peak output current 5 A max



HQ 30 COD. T 588

LOW RIPPLE STABILIZED POWER SUPPLY

TECHNICAL SPECIFICATIONS

Input voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Output current 3 A rated
 Peak output current 5 A max



HQ 50 COD. T 580

LOW RIPPLE STABILIZED POWER SUPPLY

TECHNICAL SPECIFICATIONS

Input voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Output current 5 A rated
 Peak output current 7 A max



HQ 70 COD. T 581

LOW RIPPLE STABILIZED POWER SUPPLY

TECHNICAL SPECIFICATIONS

Input voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Output current 7 A rated
 Peak output current 9 A max



U P P L I E S



HQ 90 COD. T 583

LOW RIPPLE STABILIZED POWER SUPPLY

TECHNICAL SPECIFICATIONS

Input voltage	220 Vac - 50 Hz
Output voltage	13.8 Vdc
Output current	7A rated
Peak output current	9 A max



HQ 110R COD. T 584

LOW RIPPLE LABORATORY STABILIZED POWER SUPPLY.
FOLD-BACK TYPE VOLTAGE PROTECTION AND TWO METERS.

TECHNICAL SPECIFICATIONS

Input voltage	220 Vac - 50 Hz
Output voltage	5 - 15 Vdc
Output current	11 A rated
Peak output current	15 A max



HQ 180 COD. T 586

LOW RIPPLE STABILIZED POWER SUPPLY

TECHNICAL SPECIFICATIONS

Input voltage	220 Vac - 50 Hz
Output voltage	13.8 Vdc
Output current	16 A rated
Peak output current	20 A max
Protection	internal fuse



HQ 700R COD. T 585

LABORATORY STABILIZED POWER SUPPLY.
VARIABLE VOLTAGE WITH TWO METERS.

TECHNICAL SPECIFICATIONS

Input voltage	220 Vac - 50 Hz
Output voltage	5 - 15 Vdc
Output current	7A rated
Peak output current	11 A max

POWER SUPPLIES

F 35 COD. T 433

STABILIZED POWER SUPPLY

TECHNICAL SPECIFICATIONS

Input voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Output current 3 A rated
 Peak output current 5 A max

F 57 COD. T 434

STABILIZED POWER SUPPLY.

TECHNICAL SPECIFICATIONS

Input voltage 220 Vac - 50 Hz
 Output voltage 13.8 Vdc
 Output current 5 A rated
 Peak output current 7 A max



FREQUENCY METERS

FD 30 COD. T 565

DIGITAL FREQUENCY METER 30 MHz.

It has two connections: a fixed connection for the radio unit and a second one for a probe with high impedance. Five-figure display gives complete data on transmitting frequency.

TECHNICAL SPECIFICATIONS

Supply voltage 13.8 Vdc
 N° of digits 5
 Frequency range 0.1 - 30 MHz
 Input impedance 1 M Ohm - 20 pF - 50 Ohm through
 Sensitivity 1 mV (probe) (1 V_{pep} max)
 0.5 through (7W max)
 Stability ± 0.5 ppm
 Dimensions (W x H x D) 140 x 50 x 150 mm
 Weight 650 gr.
 Connectors 2 x SO 239 / Plug RCA



FC 250 COD. T 650

5-FIGURE DIGITAL FREQUENCY METER up to 250 MHz with band switch from 1 to 99 and from 1 to 250 MHz. The two inputs it is provided with enable it to be connected to a high impedance drill and to the radio station thanks to the 50 Ohm input. It can be used as both laboratory frequency meter and transmission monitor for transreceiving sets.

TECHNICAL SPECIFICATIONS

Supply voltage 13.8 Vdc
 N° of digits 5
 Frequency range 1 - 99 / 1 - 250 MHz
 Input impedance 1 M Ohm - 20 pF
 50 Ohm through
 Sensitivity 40 mV - 20 V RMS



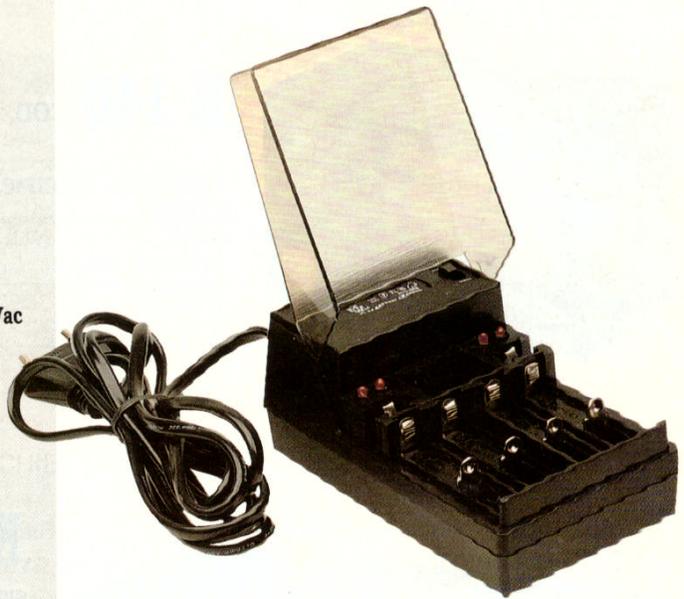
CHARGERS / ADAPTERS

CA 1198 COD. C 357

NI-CD BATTERY CHARGER SUITABLE FOR THE FOLLOWING BATTERY TYPES:

"AA"-AAA-UM5-9V (006p) and button cell.

Input supply voltage 220 Vac



COD. F 316

RECHARGEABLE NI-CD 700 mA/h 1.2 V 50-pc BATTERY PACK.
AA Synthesised type

UA 500 COD. T 684

500 mA UNIVERSAL ADAPTER

Very useful multivoltage adapter with 5 different output connectors with the polarity reverse.

TECHNICAL SPECIFICATIONS

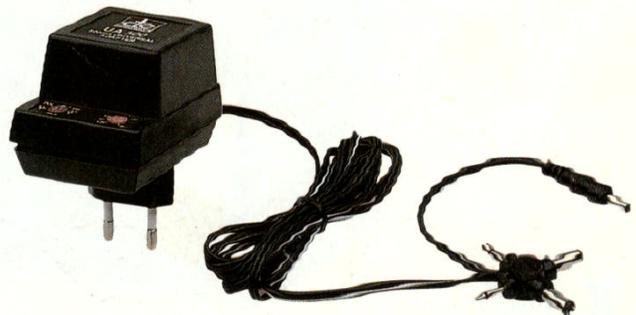
Input supply voltage 220 Vac - 50 Hz

Output voltage 3 - 4.5 - 6 - 7.5 - 9 - 12 Vdc

Output current 500 mA max.



TRANSCIEVERS	BATTERY PACK	VOLTAGE SWITCH	POLARITY SWITCH
ALAN 38	PRESA "CHARGE"	→ 12	→ ⊕
ALAN 80	PB 8012	→ 12	→ ⊕
ALAN 98	PB 9812	→ 12	→ ⊕
CT 145	PB 72	↘ 6	↓ ⊖ ⊕
CT 170	PB 120	↘ 9	↓ ⊖ ⊕
CT 450	BSC 72	↘ 9	→ ⊕
CT 1600	BATTERY PACK ORIGINAL 9.6	↘ 9	→ ⊕
CT 1700			
CT 1800	PB 8012	→ 12	→ ⊕
CT 6V			



MEASURING



K 140 COD. T 675 SWR/WATTMETER

TECHNICAL SPECIFICATIONS

RF power	10 W - 100 W
S.W.R.	1.1 / 1.3
Frequency range	1.5 - 150 MHz
Impedance	50 Ohm
Accuracy	S.W.R. \pm 5% - Power 10%



K 150 COD. T 676

SWR / WATT / MODULATION METER

This test instrument is a compact 3-function test meter designed to indicate the condition of any 52 Ohm CB antenna system and transmitter, by testing for Standing Wave Radio, relative RF power, etc.

TECHNICAL SPECIFICATIONS

RF power	0 - 10 W / 0 - 100 W
S.W.R.	1.1 to 1.3
Impedance	52 Ohm
Connectors	SO 239
Meter	N° 2 / 100 - 250 μ A DC
Dimensions (H x W x D)	135 x 60 x 70 mm



K 160 COD. T 677

SWR / WATT / MODULATION METER. This test instrument is a compact test meter designed to indicate the condition of any 52 Ohm CB antenna system and transmitter, by testing for Standing Wave Radio, relative RF power, etc. Furthermore it can re-adjust the antenna by means of the antenna matcher incorporated.

TECHNICAL SPECIFICATIONS

RF power	1 W - 10 W - 100 W
S.W.R.	1.1 to 1.3
Mod. range	0-100% (AM)
Impedance	52 Ohm
Frequency range	1.5 - 144 MHz
Power supply	12 Vdc
Sensitivity	250 μ A DC
Connectors	SO 239
Accuracy	S.W.R. \pm 5% - Power \pm 10%
.....	Mod. \pm 10%
Dimensions (H x W x D)	135 x 60 x 70 mm

ANTENNA MATCHER

Frequency	25-40 MHz
S.W.R.	less than 1.05
Power loss	less than 5%
Capacity	capacitors in poly-varicon

ALLA DIREZIONE COMPARTIMENTALE P.T. _____
Ufficio ____ Reparto ____ (Spec. REGIONE)

INDIRIZZO

applicare una marca da bollo
secondo la tassazione corrente

(cognome e nome)		
_____	_____	_____
(luogo di nascita)	(prov.)	(data di nascita) v. nota 1
_____		_____
(comune e/o frazione di residenza)		(cap.)
_____	_____	
(Via o Piazza)	(numero civico)	

CHIEDE

a norma di quanto previsto dall'art. 334 D.P.R. 29.3.73, n. 156, l'autorizzazione all'uso di nr. _____
apparato/i radioricetrasmittente/i di debole potenza per gli scopi di cui al punto 8 del predetto art. 334:

_____	_____
marca e modello	serie o matricola (dichiarare qualora sprovvisto)

omologazione (riportato sul contrassegno applicato sugli apparati)	

A tal fine dichiara (ai sensi dell'art. 2 legge 04.01.68, n. 15) consapevole delle responsabilità penali
cui può andare incontro in caso di dichiarazione mendace:

- a) di essere nato a: _____ il _____
- b) di essere residente in: _____ via _____
- c) di essere cittadino italiano
- d) che il proprio nucleo familiare è composto da:
(compilare qualora l'uso degli apparati voglia essere esteso anche ai familiari conviventi)

1	_____ CAPO FAMIGLIA _____	
(cognome e nome)	(luogo e data di nascita)	
2	_____	_____
(cognome e nome)	(luogo e data di nascita)	(relazione di parentela)
3	_____	_____
(cognome e nome)	(luogo e data di nascita)	(relazione di parentela)
4	_____	_____
(cognome e nome)	(luogo e data di nascita)	(relazione di parentela)
5	_____	_____
(cognome e nome)	(luogo e data di nascita)	(relazione di parentela)

Dichiara inoltre che:

- utilizzerà esclusivamente le frequenze stabilite con DD.MM.15.7.77 e 2.4.85
- adotterà in frequenza lo pseudonimo _____
- utilizzerà l'apparato personalmente oppure lo farà utilizzare ai seguenti familiari inclusi nel nucleo familiare sopra specificato, assumendosene tutte le responsabilità:

1 _____ 2 _____
(cognome e nome) (cognome e nome)

3 _____ 4 _____
(cognome e nome) (cognome e nome)

- non userà l'apparato fino all'emissione dell'autorizzazione (v.art. 21 Disciplinare)

ALLEGA ALLA PRESENTE:

- Attestazione comprovante l'avvenuto versamento sul c/c p. n. _____ intestato alla Direzione Compartimentale P.T. _____ Regione _____ Ufficio _____ Reparto _____ del canone annuo di Lire _____ v.note 2
- Nr. 1 marca da bollo da lire (tassazione corrente), ai fini dell'emissione in bollo dell'autorizzazione.
- Certificato: _____
v. nota 3
- "Disciplinare" firmato per accettazione

(luogo e data)

(firma da autenticare) v. nota 3

PARTE RISERVATA ALL'AUTENTICAZIONE DELLA SOTTOSCRIZIONE

(intestazione dell'ufficio)

Ai sensi dell'art. 20 legge 4.1.68, n. 15 attesto che il Sig. _____

_____ identificato con _____ rilasciato in data _____

da _____ preventivamente ammonito sulle responsabilità penali cui può andare incontro in caso di dichiarazione mendace, ha sottoscritto, in mia presenza le dichiarazioni sostitutive dei certificati di cui ai punti: _____

(luogo e data)

(il Funzionario)

ISTRUZIONI PER LA COMPILAZIONE

NOTA 1 Se il richiedente non ha compiuto gli anni 14 non può avanzare richiesta di autorizzazione.

Per i minori di anni 18 (che abbiano compiuto gli anni 14) redigere apposito modulo di richiesta.

NOTA 2 Canone annuo Lit. 15.000 per ogni apparato.

NOTA 3 Qualora il richiedente sia impossibilitato a farsi autenticare la firma, dovrà allegare alla richiesta:

Certificato contestuale in bollo di nascita, residenza, cittadinanza italiana (che dovrà comprendere anche lo stato di famiglia qualora intenda estendere l'uso anche ai familiari conviventi) o dichiarazione sostitutiva del medesimo (art. 2 legge 04.01.68, n. 15) con sottoscrizione autenticata.

DISCIPLINARE

IL PRESENTE DISCIPLINARE, ANCORCHE' SOTTOSCRITTO, NON COSTITUISCE TITOLO GIUSTIFICATIVO DELL'ESERCIZIO DELL'AUTORIZZAZIONE.

PROT. _____

MINISTERO DELLE POSTE E DELLE TELECOMUNICAZIONI

DIREZIONE COMPARTIMENTALE P.T. _____

UFFICIO _____ REP. _____ REGIONE _____

PROVINCIA _____

CONDIZIONI PER L'ESERCIZIO DI APPARATI RADIOELETRICI RICETRASMITTENTI DI DEBOLE POTENZA DI TIPO PORTATILE - SCOPO 8 - ART. 334 CODICE P.T.

ART. 1 - OGGETTO E SCOPO DELL'AUTORIZZAZIONE - L'autorizzazione è rilasciata per lo scopo di cui al nr. 8 dell'art. 334 del Codice P.T. e più propriamente per comunicazioni a breve distanza con assoluta esclusione di chiamata selettiva.

ART. 2 - TRAFFICO VIETATO - È vietato utilizzare gli apparecchi per trasmissione e/o ricezione di comunicazioni non rientranti negli scopi di cui al precedente art.1. È altresì vietato effettuare trasmissioni in codice o svolgere traffico di qualsiasi natura per conto terzi.

ART. 3 - DIVIETO DI CESSIONE - L'atto di autorizzazione è strettamente personale e non è cedibile a terzi.

ART. 4 - USO DI APPARATI DA PARTE DEI FAMILIARI - L'autorizzazione è valida anche per i familiari conviventi con il titolare indicati nella medesima. Agli stessi familiari, l'intestatario dovrà rilasciare una copia "conforme all'originale" dell'atto stesso controfirmata e datata. Dell'uso dell'apparecchio da parte di questi ultimi e delle infrazioni da essi eventualmente commesse, risponde in ogni caso il titolare dell'autorizzazione. Ogni variazione all'elenco dei familiari autorizzati dovrà essere preventivamente richiesta (in carta legale) a questa Amministrazione, allegando l'originale dell'autorizzazione.

ART. 5 - PRESCRIZIONE TECNICHE DEGLI APPARATI - Gli apparati debbono rispondere alle prescrizioni tecniche di cui all'Allegato 1 DD.MM. 15/07.1977 e 02.04.1985.

ART. 6 - FREQUENZE UTILIZZABILI - Potranno essere utilizzate esclusivamente le seguenti frequenze:

26,965 MHz.	26,975 MHz.	26,985 MHz.
27,005 MHz.	27,015 MHz.	27,025 MHz.
27,035 MHz.	27,055 MHz.	27,065 MHz.*
27,075 MHz.	27,085 MHz.	27,105 MHz.
27,115 MHz.	27,125 MHz.	27,135 MHz.
27,155 MHz.	27,165 MHz.	27,175 MHz.
27,185 MHz.	27,205 MHz.	27,215 MHz.
27,225 MHz.	27,235 MHz.	27,245 MHz.
27,255 MHz.	27,265 MHz.	27,275 MHz.
27,285 MHz.	27,295 MHz.	27,305 MHz.
27,315 MHz.	27,325 MHz.	27,335 MHz.
27,345 MHz.	27,355 MHz.	27,365 MHz.
27,375 MHz.	27,385 MHz.	27,395 MHz.
27,405 MHz.		

* riservata esclusivamente a chiamate aventi carattere di emergenza.

Le frequenze radioelettriche suindicate non danno diritto ad esclusività nel loro uso né a protezione da eventuali disturbi ed interferenze causati da altri apparati autorizzati.

ART. 7 - DIVIETO DI ARRECARRE DISTURBI O CAUSARE INTERFERENZE - È fatto divieto, a norma dell'art. 240 del Codice P.T., di arrecare disturbi o causare interferenze alle telecomunicazioni ed alle opere ad esse inerenti. In caso di violazione di detta norma, il titolare dell'autorizzazione sarà

diffidato ad apportare, se possibile, le necessarie modifiche agli apparati, ancorché gli stessi siano rispondenti alle prescrizioni tecniche stabilite dall'art. 5, ovvero a sostituirli, previa autorizzazione da parte dell'Amministrazione, con altri così da eliminare i disturbi e le interferenze accertati dall'Amministrazione medesima. (V. anche art. 21 per sanzioni).

ART. 8 - DIVIETO DI MODIFICARE GLI APPARATI - È vietato, salvo quanto previsto dal precedente art. 7, apportare modifiche agli apparati o applicare ai medesimi dispositivi di qualsiasi natura, tali da far venir meno la rispondenza alle prescrizioni tecniche di cui all'art.5. È altresì vietato adottare congegni e sistemi atti a rendere non intercettabili da terzi le trasmissioni e/o le ricezioni. Il divieto si estende ai familiari eventualmente autorizzati.

ART. 9 - PORTABILITÀ DEGLI APPARATI - Gli apparati non possono essere installati in sede fissa. Ne è ammessa l'utilizzazione all'interno delle abitazioni o su mezzi mobili terrestri/marittimi, purché sussista sempre la possibilità di rimuoverli e conservino inalterati, allorché rimossi, le caratteristiche tecniche originarie.

ART. 10 - ANTENNE - Sono autorizzati tutti i tipi di antenne ad eccezione di quelle direttive. Le medesime debbono essere collegate all'uscita del trasmettitore senza interposizione di apparecchiature o di altri dispositivi, fatta eccezione per i dispositivi destinati al contenimento delle emissioni non essenziali irradiate dal trasmettitore. Sono consentite antenne omnidirezionali non incorporate.

ART. 11 - VARIAZIONE DELLA CONSISTENZA DEGLI APPARATI - a) sostituzione degli apparati: deve essere comunicata alla Direzione Compartimentale P.T. che rilascerà il proprio consenso se i nuovi apparati saranno di tipo omologato. Si precisa che questi ultimi non potranno essere utilizzati fino a quando tale consenso non sarà stato rilasciato; b) Cessione apparati: il titolare dell'autorizzazione è tenuto a comunicare il nominativo del cessionario, nonché la residenza (sede sociale se trattasi di Ente); c) Smarrimento o furto: deve essere prodotta alla Direzione Compartimentale copia della denuncia presentata alla locale Autorità di P.S.

N.B.: Qualora agli eventi indicati alle lettere b) e c) segua la sostituzione degli apparati, è necessario attenersi a quanto stabilito alla lettera a); in caso contrario, verrà disposta la cessazione dell'autorizzazione con decorrenza dalla data della comunicazione dell'avvenuta cessione, smarrimento o furto.

d) Integrazione apparati: qualora il titolare dell'autorizzazione intenda utilizzare altro apparato in aggiunta a quello/i in uso, dovrà produrre specifica domanda in carta legale, allegando la prescritta documentazione, trattandosi di rilascio di nuova e diversa autorizzazione.

ART. 12 - DISDETTA DELL'AUTORIZZAZIONE - La rinuncia deve essere comunicata mediante raccomandata A.R. non oltre

il 30 settembre dell'anno in corso alla data della disdetta stessa ed avrà effetto dal 1° gennaio dell'anno successivo. Eventuali comunicazioni trasmesse dopo tale data comporteranno comunque la corresponsione del canone di esercizio relativo all'anno solare immediatamente successivo, in quanto la rinuncia decorrerà dall'anno seguente a quest'ultimo. (Naturalmente fino a tale data si potrà continuare ad utilizzare l'apparato).

ART. 13 - DENUNCIA DI POSSESSO - Ai sensi dell'art. 403 chiunque detenga apparati radioelettrici ricetrasmittenti è tenuto a denunciarne il possesso alla autorità locale di Pubblica Sicurezza ed all'Amministrazione P.T.

La presentazione della domanda di autorizzazione esime dal suddetto obbligo nei confronti della sola Amministrazione P.T. L'obbligo di denuncia alla P.S. sussiste anche nelle ipotesi di cui all'art. 11 lettera a) e d) del presente disciplinare (sostituzione o integrazione) relativamente ai diversi o ulteriori apparati in uso.

ART. 14 - VARIAZIONE DI RESIDENZA - È fatto obbligo di darne immediata comunicazione a questa Amministrazione, anche nel caso in cui il trasferimento avvenga in altra Regione.

ART. 15 - DUPLICATO DI AUTORIZZAZIONE - Può essere richiesto (con domanda in carta legale) un duplicato dell'atto originale a seguito di distruzione, smarrimento o furto del medesimo.

ART. 16 - CANONE, MODALITÀ DI VERSAMENTO, SANZIONI È dovuto all'Amministrazione P.T. un canone annuo nella misura di Lit. 15.000 per ogni apparato. Il canone annuo dovuto per gli anni successivi a quello in corso alla data del rilascio del provvedimento, dovrà essere versato a cura del titolare dell'autorizzazione, senza attendere la richiesta da parte del competente ufficio, anticipatamente, all'inizio di ciascun anno e comunque non oltre il 31 gennaio sul c/c n. _____ intestato alla Direzione Compartimentale P.T. _____
Regione _____ indirizzo _____

Si precisa che detto versamento dovrà essere effettuato utilizzando esclusivamente uno dei bollettini prestampati inviati in allegato all'autorizzazione.

Tali bollettini sono strettamente personali e relativi alla sola autorizzazione il cui numero di protocollo è riportato nella zona riservata al controllo automatizzato del versamento effettuato.

Nell'eventualità che vengano esauriti o smarriti dovrà esserne fatta richiesta, con un congruo anticipo rispetto alla data di scadenza del versamento, a questa Direzione Compartimentale.

Trascorso il termine del 31 gennaio senza che il canone sia stato versato, deve essere corrisposto, nell'ulteriore termine di 15 gg., il canone stesso maggiorato di una indennità di mora pari al 10%. Qualora anche tale termine trascorra senza che si sia ottemperato al versamento del canone, potrà essere disposta la sospensione dell'autorizzazione e, in caso di persistente inadempienza, la decadenza della stessa a norma dell'art. 191 del Codice P.T., salva in ogni caso l'adozione dei provvedimenti previsti dalle norme di legge in vigore per il recupero dei crediti. Il canone annuo, di cui al presente articolo non è frazionabile, ma ridotto a Lit. 7.500 nel caso di rilascio del provvedimento nel 2° semestre dell'anno in corso. Tale disposizione è quindi valida solo per l'anno di rilascio.

ART. 17 - VARIAZIONE DEI CANONI - In caso di variazione in aumento dei canoni di cui al precedente art. 16 è consentito di rinunciare, senza obbligo di preavviso, all'autorizzazione, ma tale rinuncia ha effetto dal primo giorno dell'anno successivo a quello di entrata in vigore dei nuovi canoni, fermo restando l'obbligo di corrispondere i canoni nella misura prevista dal presente disciplinare, sino alla scadenza dell'anno in corso.

ART. 18 - RINNOVO - La domanda (in carta legale) dovrà essere presentata non oltre il 31 ottobre dell'anno di scadenza (rinnovo senza soluzione di continuità, con decorrenza cioè dal 1° genna-

io dell'anno successivo). Le domande prodotte dopo tale data, ma comunque entro il 31 dicembre, comporteranno emissione di rinnovo con soluzione di continuità (con decorrenza, cioè, diversa dal 1° gennaio dell'anno successivo). In questa seconda ipotesi l'apparato non potrà essere utilizzato fino alla data di rilascio del provvedimento. Le eventuali domande inoltrate successivamente al 31 dicembre saranno considerate come nuove richieste.

ART. 19 - NOMINATIVI - È fatto divieto di usare nello scambio delle comunicazioni nominativi convenzionali o sigle diverse dal nome e cognome o dal soprannome preventivamente dichiarato nella domanda di autorizzazione. L'Amministrazione non assume alcuna responsabilità in caso di uso di identico nominativo o soprannome da parte di altro autorizzato, salvo in ogni caso l'applicazione delle sanzioni previste dall'art. 404 del Codice P.T. nei confronti di chi trasgredisce al divieto di cui al comma 1.

ART. 20 - CONTROLLI - L'Amministrazione P.T. si riserva di effettuare in qualsiasi momento controlli e verifiche al fine di accertare la regolare osservanza degli obblighi assunti dal titolare dell'autorizzazione, che, a tal scopo, è tenuto a dare libero accesso presso la propria residenza ai funzionari dell'Amministrazione P.T. muniti di apposita credenziale o autorizzazione che intendano effettuare detti controlli e verifiche, ed a fornire tutti i chiarimenti e precisazioni richiesti, nonché ad esibire la documentazione afferente l'autorizzazione. A disposizione degli inquirenti devono essere messi gli apparati al fine di consentire gli eventuali accertamenti in ordine alla loro rispondenza alle prescrizioni tecniche in vigore.

ART. 21 - SANZIONI - L'uso degli apparati da parte di chi sia sprovvisto della prescritta autorizzazione è punito a norma dell'art. 195 Codice P.T. (arresto da 3 a 6 mesi). Salva l'applicazione delle sanzioni previste dagli artt. 218 - comma 1 -, 402, 403, 404 del Codice P.T. e da ogni altra disposizione penale, l'Amministrazione può imporre, a norma del predetto art. 218, in caso di violazione degli obblighi dell'autorizzazione, il pagamento di una penale in misura pari all'importo del canone annuo, ferma restando la facoltà dell'Amministrazione stessa di disporre la sospensione in via cautelare dell'autorizzazione e di pronunciare la decadenza, qualora la gravità delle infrazioni renda il titolare passibile di dette sanzioni. Nei confronti dell'autorizzato che non ottempererà alla diffida di cui agli artt. 240 del Codice P.T. e 7 del presente disciplinare l'Amministrazione disporrà la sospensione immediata dell'esercizio dell'autorizzazione previo suggellamento degli apparati ed emerterà, quindi, nella forma e con la procedura prevista dall'art. 191 del Codice P.T. il provvedimento di decadenza dell'autorizzazione. Sarà parimenti disposta, a titolo cautelare, l'immediata sospensione dall'esercizio dell'autorizzazione nel caso di denuncia del titolare all'Autorità Giudiziaria da parte dell'Amministrazione o di organi di Polizia Giudiziaria in genere per fatti comunque connessi all'uso degli apparati, compreso il caso di denuncia per uso in trasmissione di linguaggio contrario alla pubblica decenza o contenente frasi o parole ingiuriose, scurrili o denigratorie a chiunque proferite. Alla sospensione seguirà di diritto la pronuncia di decadenza in caso di sentenza di condanna passata in giudicato.

DICHIARO DI AVER PRESO VISIONE DELLE NORME CONTENUTE NEL PRESENTE DISCIPLINARE E MI IMPEGNO AD OSSERVARLE SCRUPOLOSAMENTE.

(FIRMA LEGGIBILE)

INSTRUMENTS



K 170 COD. T 678

SWR / WATT / MODULATION METER

This test instrument is a compact test meter designed to indicate the condition of any 52 Ohm CB antenna system and transmitter, by testing for Standing Wave Radio, relative RF power, etc.

TECHNICAL SPECIFICATIONS

RF power 10 W - 100 W
 S.W.R. 1.1 to 1.3
 Mod. range 0-100% (AM)
 Dev. range 0-3 KHz (FM)
 Impedance 52 Ohm
 Frequency range 1.5 - 144 MHz
 Power supply 12 Vdc
 Sensitivity 250 μ A DC
 Connectors SO 239
 Accuracy S.W.R. \pm 5% - Power \pm 10%
 Mod. \pm 10% - Dev. \pm 10%
 Dimensions (H x W x D) . 110 x 50 x 80 mm



K 270 COD. T 679

SWR / WATT / MODULATION METER

This test instrument is a compact test meter designed to indicate the condition of any 52 Ohm CB antenna system and transmitter, by testing for Standing Wave Radio, relative RF power, etc.

TECHNICAL SPECIFICATIONS

RF power 10 W - 100 W
 S.W.R. 1.1 to 1.3
 Mod. range 0-100% (AM)
 Dev. range 0-3 KHz (FM)
 Impedance 52 Ohm
 Frequency range 1.5 - 144 MHz
 Power supply 12 Vdc
 Sensitivity 250 μ A DC
 Connectors SO 239
 Accuracy S.W.R. \pm 5% - Power \pm 10%
 Mod. \pm 10% - Dev. \pm 10%
 Dimensions (H x W x D) . 120 x 26 x 80 mm



K 350 COD. T 680

SWR / WATT / MODULATION METER This test instrument is a compact test meter designed to indicate the condition of any 52 Ohm CB antenna system and transmitter, by testing for Standing Wave Radio, relative RF power, etc. Furthermore, it can re-adjust the antenna by means of the antenna matcher incorporated.

TECHNICAL SPECIFICATIONS

RF power 1 W - 10 W - 100 W
 S.W.R. 1.1 to 1.9
 Mod. range 0-100% (AM)
 Dev. range 0-3 KHz (FM)
 Impedance 52 Ohm
 Frequency range 1.5 - 144 MHz
 Power supply 12 Vdc
 Sensitivity 250 μ A DC
 Connectors SO 239
 Accuracy S.W.R. \pm 5% - Power \pm 10%
 Mod. \pm 10% - Dev. \pm 10%
 Dimensions (H x W x D) . 160 x 70 x 70 mm

ANTENNA MATCHER

Frequency 25-40 MHz
 S.W.R. less than 1.05
 Power loss less than 5%
 Capacity capacitors in poly-varicon

MEASURING INSTRUMENTS

HQ 222 COD. T 603

DOUBLE INDICATOR SCALE S.W.R. / WATT METER .

It is an instrument particularly suitable for CB operators, very versatile thanks to its double indicator scale that makes it possible to carry out accurate control and S.W.R. measurements referring to the table included in the instructions for use. It can be used in dark environments, as it is self-illuminated.

TECHNICAL SPECIFICATIONS

Impedance	50 Ohm
Power/end-scale	10-100-1000 W
Frequency	26-30 MHz
Accuracy	5%
Power supply	10-15 Vcc



HQ 330 COD. T 617

High power through-type S.W.R./WATT/MODULATION METER (AM).

The frequency range is 26-30 MHz and the maximum applicable power to the watt meter is 2000 W. Thanks to the instrument illumination, it can be used in dim light.

TECHNICAL SPECIFICATIONS

Impedance	50 Ohm
Supply voltage	10-15 Vcc
Watt meter	10-200-2000 WFS
S.W.R. meter	1.01 - ∞
Modulation percentage	25%-100%
Frequency range	26-30 MHz



K 2000 COD. T 604

MATCH-BOX / ANTENNA SWITCH / S.W.R. / WATT METER

High quality instrument which makes it possible for a single device to hold all the functions needed by a complete control station for CB. It also includes a handy impedance adaptor for antennas and downleads and two aerial outputs which can connect one or two aerials and control dummy load. This instrument can be used in dark environments, as it is self-illuminated.

TECHNICAL SPECIFICATIONS

Impedance	50 Ohm
Power/end-scale	10-100-1000 W
Accuracy	5%
Power supply	10-15 Vcc
Frequency	26-30 MHz
Dimensions (W x D x H)	113x182x141 mm
Weight	1 kg.



PREAMPLIFIERS AND MATCHERS

K 375 COD. T 575

ANTENNA PREAMPLIFIER.

Equipped with transmission indicator and adjustable gain. For mobile and base station.

TECHNICAL SPECIFICATIONS

Supply voltage	14±16 Vcc
Frequency range	26-30 MHz
Adjustable gain	25 dB max
Max applicable power	10 W AM/FM • 15 W SSB/CW
Dimensions (W x D x H)	73x125x110 mm
Weight	350 gr.

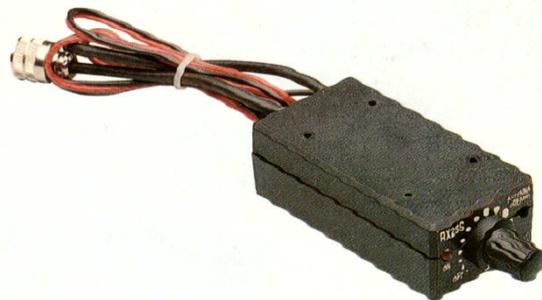


RX 25S COD. T 661

ANTENNA PREAMPLIFIER for mobile use with direct PL 259 connector for transceivers. The reduced dimensions allow it to be installed in narrow spaces. It is supplied with gain adjustment and "power on" Led.

TECHNICAL SPECIFICATIONS

Supply voltage	13,8 Vcc
Frequency range	26-30 MHz
Max power	10 W
Insertion S.W.R.	1;2:1
Gain	25 dB
IN/OUT connector	PL 259 - SO239
Dimensions (W x D x H)	55X35X125 mm
Weight	105 gr.



SRA 144 COD. T 662

AUTOMATIC MATCHER FOR CB MOBILE ANTENNA

This automatic matcher allows the best antenna S.W.R. to be obtained (better S.W.R. means better performances). The adjustment is completely automatic. This is an innovative device and very easy to use. It can be installed with a magnetic mount.

TECHNICAL SPECIFICATIONS

Frequency band	120 CH CB
.....	(it may vary depending on the antenna type)
Max allowable power	10 W
Power supply	12 Vcc



INVERTERS



GC 512 COD. C 128

AUTOMATIC INVERTER. In case of no mains voltage, it transforms 12 VDC into 220 V AC. It can be used for TV, lamps, cash registers, scales, drills, emergency lights, etc.

BATTERY CHARGER

Battery voltage 12 Vcc
 Input voltage 220 Vca
 Max charging current 4 A
 Input current 1-2 A

TECHNICAL SPECIFICATIONS

Supply voltage 12 Vcc±10%
 Output voltage 220 Vca
 Output voltage 50 Hz
 Waveform square
 Maximum load 500 W
 Transfer time 30-40 ms
 Efficiency 80% approx.
 Weight 1,3 kg.



HQ 200 COD. T 587

In case of no mains voltage, it transforms 12 VDC into 220 V AC. It can be used to operate TV, lamps, cash registers, scales, drills etc...

TECHNICAL SPECIFICATIONS

Supply voltage 12 Vdc + 10%
 Output power 220 Vac
 Output frequency 50 Hz
 Waveform square
 Max. load 200 W
 Efficiency 80% approx.

VOLTAGE REDUCERS

RDT 12/A COD. T 673

VOLTAGE REDUCER

TECHNICAL SPECIFICATIONS

Input voltage	24 Vdc
Output voltage	13.8 Vdc
Max output current	12 A
Output current specification	
Continuous	5 A
6'	10 A
Peak	12 A
Dimensions (WxDxH)	41x101x152 mm
Weight	670 gr.

RDT 14/R COD. T 685

VOLTAGE REDUCER WITH RELAY OVERVOLTAGE PROTECTION.

TECHNICAL SPECIFICATIONS

Input voltage	24 Vdc
Output voltage	13.8 Vdc
Max output current	10 A
Nominal output current	6 A
Dimensions (WxDxH)	64x120x112 mm
Weight	580 gr.

RDT 30/A COD. T 674

VOLTAGE REDUCER WITH RELAY OVERVOLTAGE PROTECTION

TECHNICAL SPECIFICATIONS

Input voltage	24 Vdc
Output voltage	13.8 Vdc
Max output current	12 A
Output current specification	
Continuous	10 A
5'	15 A
3'	20 A
Peak	30 A
Dimensions (WxDxH)	40x102x300 mm
Weight	1,200 kg.



ACCESSORIES FOR CB

TR 45 COD. T 339

The TR 45 has been specifically designed to convert any CB equipment into a short-wave band transceiver. To connect the TR 45, your equipment will require no modification so that it will maintain all its 27 MHz band performances unchanged. The TR 45 is equipped with a variable gain aerial preamplifier and with a clarifier for perfect tuning of reception and transmission frequencies.

TECHNICAL SPECIFICATIONS

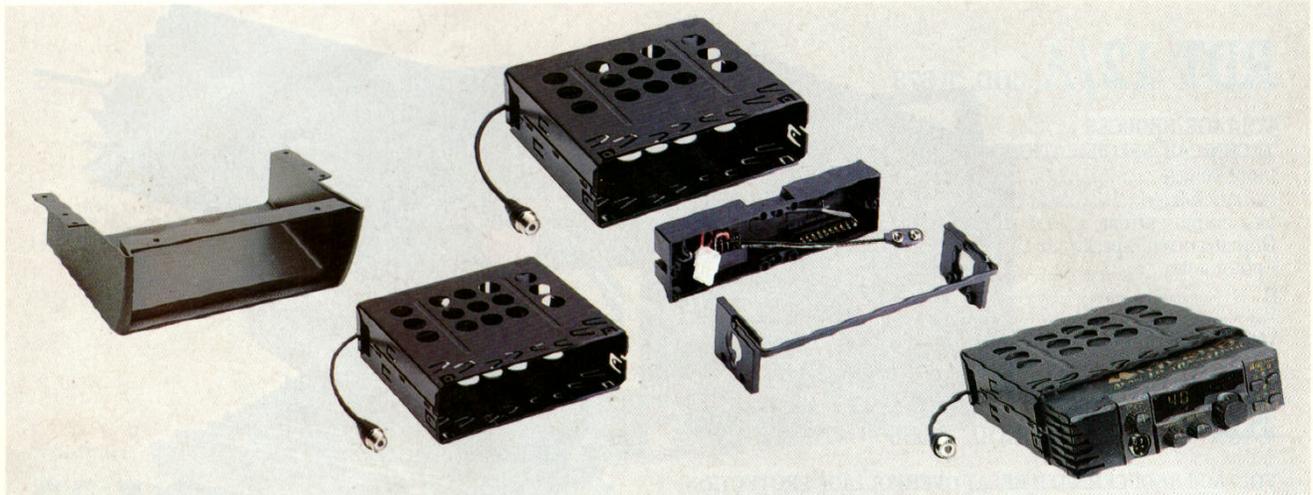
Supply voltage	11-16 Vdc
IN/OUT Connectors	SO 239
IN/OUT Impedance	50 Ohm
Output power	AM 12 W - FM 14 W - SSB 15 W PEP
Sensitivity	0.9 μ V for 20 dB S/N (FM)
Output frequency	CB frequency - 20.680 MHz



PB 45 COD. T 340

This is only the TR 45 printed circuit to be used inside transceivers.

ACCESSORIES FOR CB



SPL 7599 COD. C 293

UNIVERSAL SLIDE MOUNT with drilling as per ISO/DIN 7736.

SPL 7528 COD. C 289

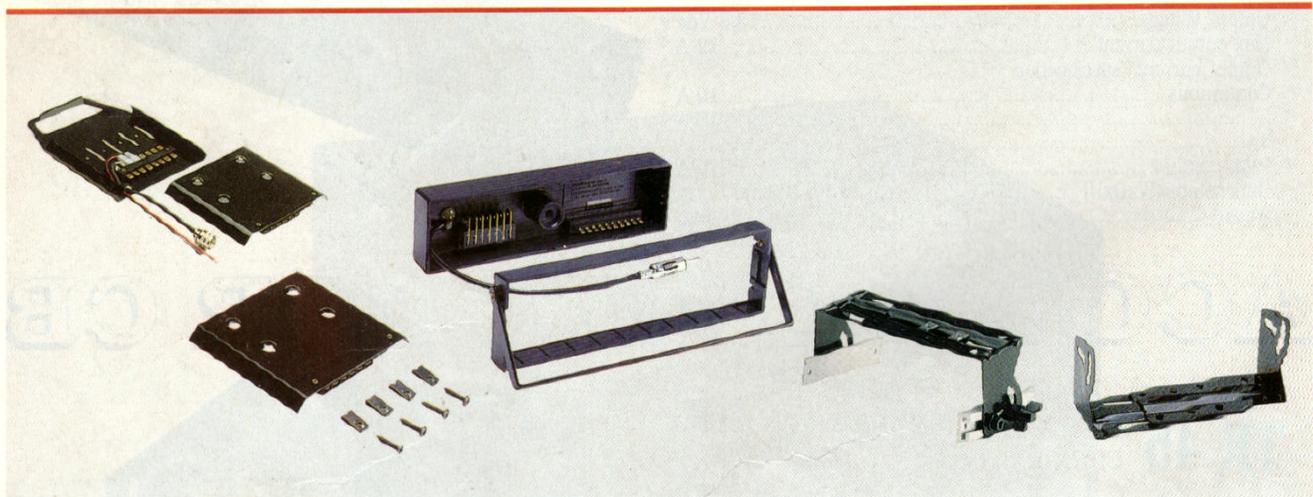
FIXED SUPPORT for extractable installation of ALAN 28 or car radios as per ISO/DIN 7736.

MDL 7528 COD. C 287

SLIDE MOUNT for the CTE transceiver ALAN 28.

MDL 7518 COD. C 311

SLIDE MOUNT for ALAN 18 with frontal speaker compatible with the accessories of the MDL 7528 model. It can be placed into the radio seat. It is interchangeable with the car radio if installed with the SPL 7500 slide mount.



MDL 7542

COD. C 313
SLIDE MOUNT FOR TRANSCEIVERS for the rapid installation and removal of your unit.

SPL 7542

COD. C 312
SLIDE MOUNT FOR TRANSCEIVERS. Top plate for fitting to transceiver so that it may be used on slide mount at home or in the car.

SPL 7500

COD. C 290
ACCESSORIES for extractable installation of car radios as per DIN 7736 in case SPL 7528.

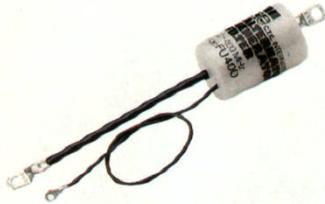
SU 29

COD. T 452
UNIVERSAL ADJUSTABLE FIXING BRACKET FOR TRANSCEIVERS. It can be installed on all types of transceivers making them removable.

SU 27

COD. T 341
UNIVERSAL ADJUSTABLE FIXING BRACKET FOR TRANSCEIVERS.

ACCESSORIES FOR CB



FU 400 COD. T 050

RADIO INTERFERENCE SUPPRESSOR

Radio interference suppressor for alternators and generators. Can be built in to eliminate noise.



27/116 N COD. T 045

SIGNAL SPLITTER BOX

Enables the use of CB antenna for both CB and car radio reception without interferences.

TECHNICAL SPECIFICATIONS

IN/OUT Impedance 52 Ohm
 Frequency range 26-30 MHz
 S.W.R.< 1:1.2



27/286 COD. T 042

SUPERFILTER TVI SUPPRESSOR.

TECHNICAL SPECIFICATIONS

Applicable power 15 W PEP
 Frequency range 0-30 MHz
 Insertion loss 0.5 dB

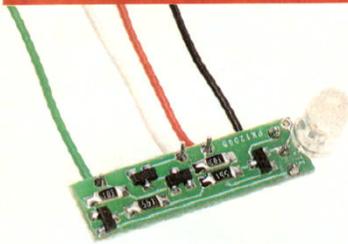


27/112 COD. T 039

TWO WAY ANTENNA COAXIAL SWITCH.

TECHNICAL SPECIFICATIONS

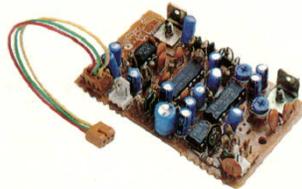
Applicable power 1000 W
 Frequency range 0-30 MHz



PK 120/98 COD. C 352

120 CH BOARD

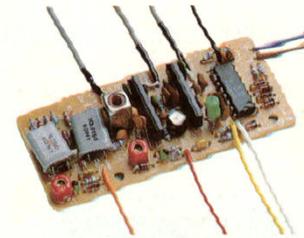
120 CH board for CTE transceiver **ALAN 98**. The use of this board invalidates the approval of the unit.



PK 87 ECO COD. C 296

ECHO BOARD FOR ALAN 87

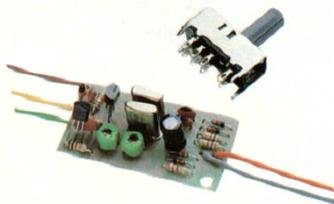
ECHO board for CB transceiver **ALAN 87**. The use of this board invalidates the approval of the unit.



PK 120/28 COD. C 299

120 CH BOARD

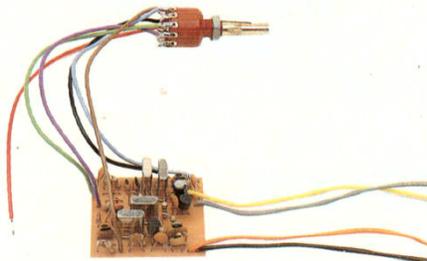
120 CH board for CTE transceivers: **ALAN 28, ALAN 18, ALAN 27**. The use of this board invalidates the approval of the unit.



PK 120/48 COD. C 275

120 CH BOARD

120 CH board for CTE transceivers: **ALAN 48, ALAN 44**. The use of this board invalidates the approval of the unit.



PK 200/48 COD. C 337

200 CH BOARD

200 CH board for CTE transceivers: **ALAN 48, ALAN 44**. The use of this board invalidates the approval of the unit.



PK 200/88 COD. C 297

240 CH BOARD

240 CH board for **ALAN 88/S**. The use of this board invalidates the approval of the unit.

LOUDSPEAKERS



AU 30 COD. T 682

ADDITIONAL LOUDSPEAKER

TECHNICAL SPECIFICATIONS

Impedance 8 Ohm
 Nominal power 7 W
 Max power 12 W
 Dimensions (H x W x D) 110 x 140 x 60 mm

AU 25 COD. T 681

ADDITIONAL LOUDSPEAKER

TECHNICAL SPECIFICATIONS

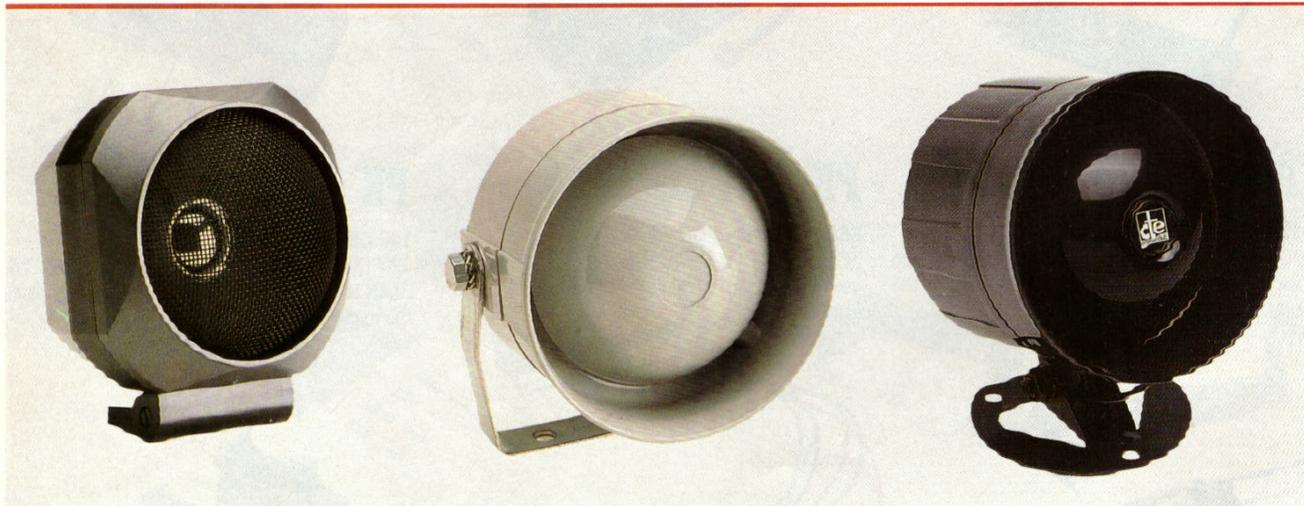
Impedance 8 Ohm
 Nominal power 3 W
 Max power 5 W
 Dimensions (H x W x D) 100 x 60 x 60 mm

AS 6F COD. C 010

ADDITIONAL LOUDSPEAKER

TECHNICAL SPECIFICATIONS

Impedance 8 Ohm
 Nominal power 2 W
 Max power 9 W
 Frequency 300 - 2500 Hz
 Dimensions (H x W x D) 88 x 114 x 43 mm
 Weight 650 gr.



AU 10 COD. T 430

ADDITIONAL LOUDSPEAKER

TECHNICAL SPECIFICATIONS

Impedance 8 Ohm
 Max power 10 W
 Dimensions Ø 100 mm

EH 700 N COD. P 170

OUTDOOR LOUDSPEAKER, DIRECTIONAL TYPE
 suitable for sirens, transceivers, motor-cycles etc...

TECHNICAL SPECIFICATIONS

Impedance 8 Ohm
 Max power 10 W
 Dimensions Ø 90 mm

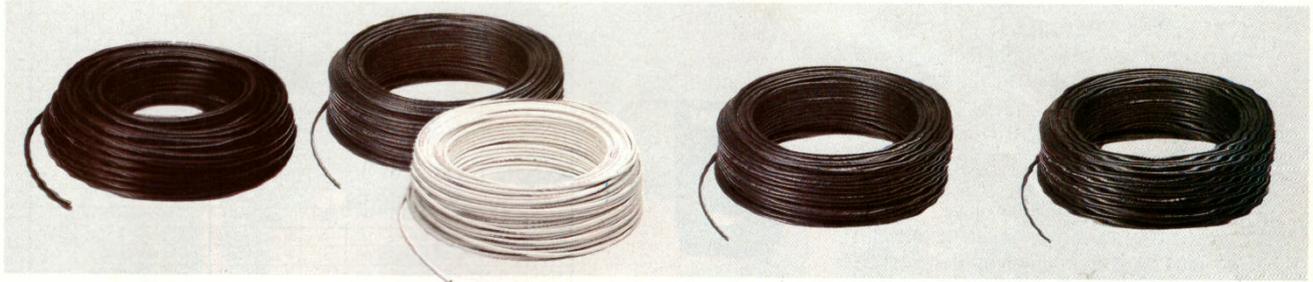
EH 800 COD. P 348

OUTDOOR LOUDSPEAKER, DIRECTIONAL TYPE.

TECHNICAL SPECIFICATIONS

Impedance 8 Ohm
 Max power 10 W
 Dimensions Ø 90 mm

CABLE AND EXTENSIONS



RG 8/U COD. T 198

COAXIAL CABLE

Impedance 50 Ohm
Roll length 100 mt.

RG 58/U COD. T 199

RG 58 U/I COD. T 199.01

RG 58/BIANCO COD. T 200

RG 58/AUX COD. T 197

COAXIAL CABLE

Impedance 50 Ohm
Roll length 100 mt.

RG 58/H COD. G 326

LOW LOSS COAXIAL CABLE

Impedance 50 Ohm
Roll length 100 mt.

RG 213 COD. T 571

COAXIAL CABLE

Impedance 50 Ohm
Roll length 100 mt.

RG 213 COD. T 571.01

COAXIAL CABLE ALAN
ELECTRONICS

Impedance 50 Ohm
Roll length 100 mt.



R 90/58 COD. T 193

CONNECTION CABLE FOR CB
TRANSCEIVERS

Length 90 cm
Cable used RG/58
Connectors PL 259

R 45/58 COD. T 194

CONNECTION CABLE FOR CB
TRANSCEIVERS

Length 45 cm
Cable used RG/58
Connectors PL 259

COD. T 653

6-PIN COILED CABLE 1.5 for CB
transceiver CTE ALAN 28.

COD. T 060

3-PIN SUPPLY CABLE with fuse
carrier for CB transceivers.

Length 160 cm.

COD. T 322

2-PIN SUPPLY CABLE with fuse
carrier for CB transceivers.

Length 160 cm.

COD. T 704

SUPPLY CORD FOR
TRANSCEIVER ALAN 18.

COD. T 705

SUPPLY CORD FOR
TRANSCEIVER ALAN 28.



COD. T 202

5.5 MT MICROPHONE CABLE
Coaxial cable RG 58/ White with PL
259 connectors. Impedance 50 Ohm.

COD. T 201

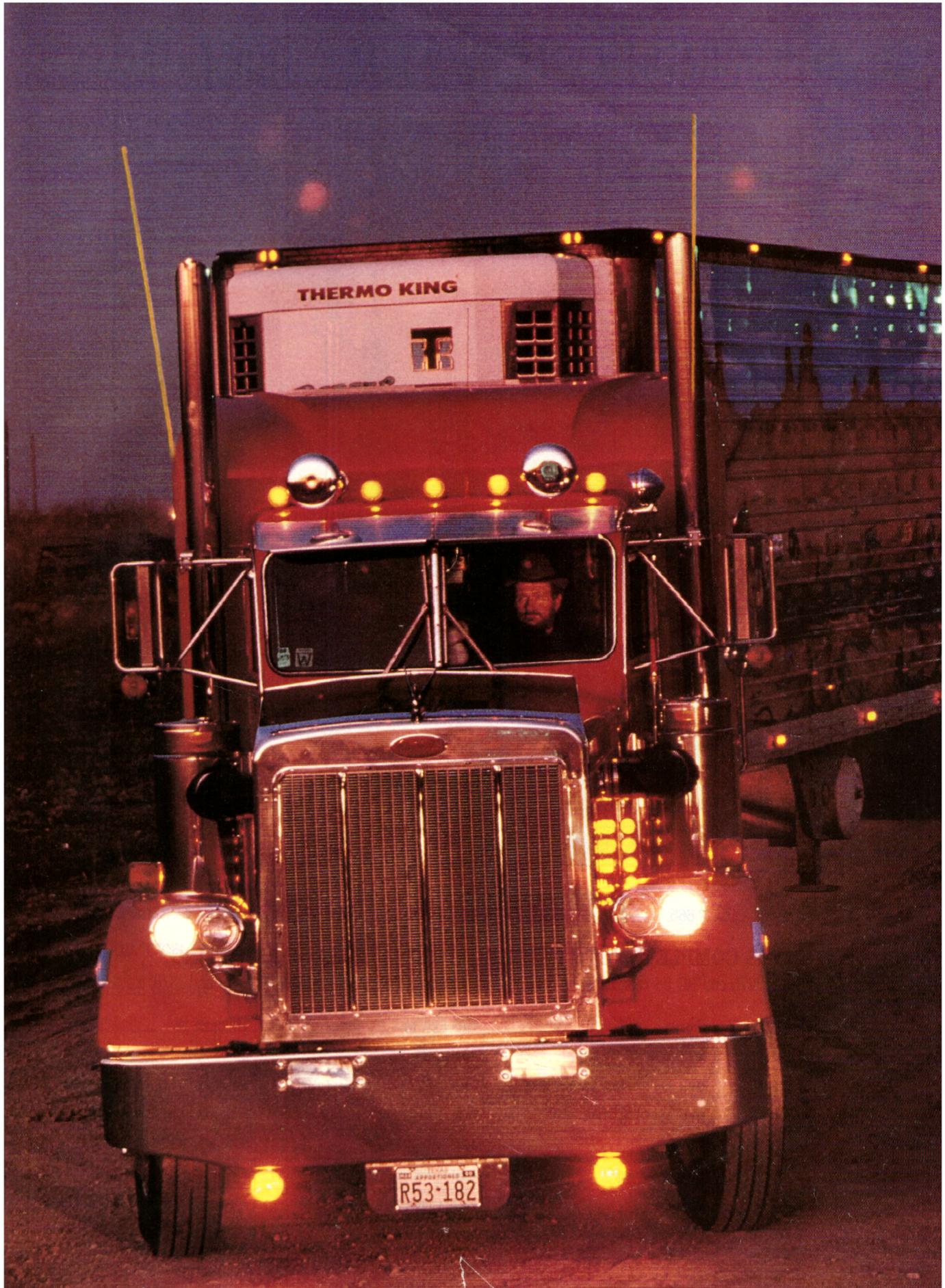
11 MT MICROPHONE CABLE
Coaxial cable RG 58/ White with PL
259 connectors. Impedance 50 Ohm.

COD. T 426

11 MT MICROPHONE CABLE
Coaxial cable RG 58/ U Black with PL
259 connectors. Impedance 50 Ohm.

COD. T 468

5.5 MT MICROPHONE CABLE
Coaxial cable RG 58/ U Black with PL
259 connectors. Impedance 50 Ohm.

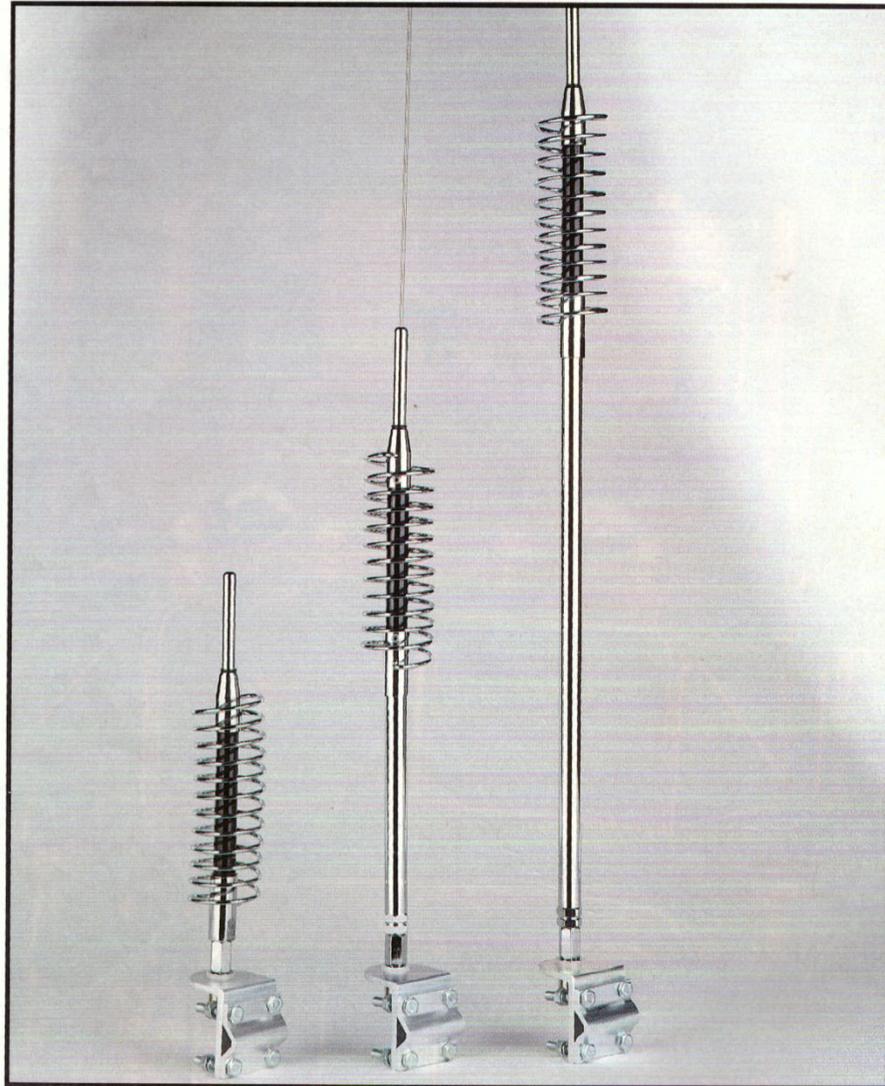


THERMO KING

R53-182

TRUCKER

TRUCK ANTENNAS



TRUCKER 14 COD. T 665.

TRUCKER 16 COD. T 666.

TRUCKER 18 COD. T 667.

TRUCK ANTENNAS COMPLETE WITH ACCESSORIES FOR MIRROR MOUNTING.

The antennas include: 9' (275 cm) RG 58 coax cable with PL 259 at both ends. Mirror mount with SO 239 and 3/8" x 24 stud.

TECHNICAL SPECIFICATIONS	TRUCKER 14	TRUCKER 16	TRUCKER 18
Frequency range	26-30 MHz	26-30 MHz	26-30 MHz
S.W.R.	better than 1-1.5 for 2 MHz band width	better than 1-1.5 for 2 MHz band width	better than 1-1.5 for 2 MHz band width
S.W.R.	better than 1-1 for CB band width	better than 1-1 for CB band width	better than 1-1 for CB band width
Power	3000 W	3000 W	3000 W
Whip	stainless steel whip	stainless steel whip	stainless steel whip
Mounting	standard 3/8" x 24 "Stud type"	standard 3/8" x 24 "Stud type"	standard 3/8" x 24 "Stud type"
Length	147 cm (50 Inches)	159 cm (62.5 Inches)	174 cm (68.5 Inches)

CAR AND TRUCK ANTENNAS



ALAN PC 4

COD. T 739



ALAN PC 6

COD. T 736



PC 8

COD. T 701



PC 10

COD. T 702

CARATTERISTICHE TECNICHE	ALAN PC 4	ALAN PC 6	PC 8	PC10
Frequency range	26÷28 MHz	26÷28 MHz	27 MHz	27 MHz
N° of channels	150	240	130	200
Max applicable power	600 W	900 W	800 W	1000 W
Minimum S.W.R.	1:1	1:1	1:1,1	1:1,1
Gain	4 dB	4 dB	4 dB	4 dB
Length	1150 mm.	1600 mm.	1630 mm.	1940 mm.
Impedance	52 Ohm	52 Ohm	52 Ohm	52 Ohm
Weight	450 g.	450 g.	450 g.	500 g.
Whip material	Inox steel	Inox steel	Inox steel	Acciaio Inox
Connector type	PL 259	PL 259	PL 259	PL 259
Hole diameter	10 mm.	10 mm.	10 mm.	10 mm.

CAR AND TRU



TITANIUM 2000

COD. T 747



TITANIUM 3000

COD. T 748



ALAN 9 PLUS

COD. T 638. 02



ALAN 2K

COD. T 643

TECHNICAL SPECIFICATIONS	TITANIUM 2000	TITANIUM 3000	ALAN 9 PLUS	ALAN 2K
Frequency range	26-28 MHz	26-28 MHz	27 MHz	27 MHz
N° of channels	140	200	200	200
Max applicable power	800 W	1000 W	900 W	1600 W
Minimum S.W.R.	1:1	1:1	1:1,2	1:1,2
Gain	6 dB	6 dB	4 dB	4 dB
Length	1450 mm.	1680 mm.	1500 mm.	1430 mm.
Impedance	52 Ohm	52 Ohm	52 Ohm	52 Ohm
Weight	450 g.	500 g.	390 g.	400 g.
Whip material	Inox steel	Inox steel	Inox steel	Inox steel
Connector type	PL 259	PL 259	PL 259	PL 259
Hole diameter	10 mm.	10 mm.	10 mm.	10 mm.

CK ANTENNAS



DETROIT GP

DALLAS

DETROIT

BOSTON

DETROIT MOLLA BOSTON MOLLA

COD. T 632

COD. T 443

COD. T 444

COD. T 445

COD. T 562

COD. T 563

	DETROIT GP	DALLAS	DETROIT	BOSTON	DETROIT MOLLA	BOSTON MOLLA
Frequency range	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz
N° of channels	90	60	90	120	40	40
Max applicable power	400 W	180 W	400 W	750 W	400 W	750 W
Minimum S.W.R.	1:1,05	1:1,05	1:1,5	1:1,02	1:1,02	1:1,02
Gain	1,3 dB	1,3 dB	1,8 dB	1,6 dB	0,7 dB	0,6 dB
Length	1460 mm.	1200 mm.	1460 mm.	1770 mm.	740 mm.	670 mm.
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Weight	580 g.	300 g.	350 g.	380 g.	380 g.	450 g.
Whip material	Steel	Steel	Steel	Steel	Steel	Steel
Connector type	PL 259	PL 259	PL 259	PL 259	PL 259	PL 259
Hole diameter						

ANTENNAS WITH MAGNETIC MOUNT



ML 145 COD. E 041

High power CB antenna complete with magnetic mount Ø 120 mm.

TECHNICAL SPECIFICATIONS

Frequency range 27 MHz
 N° of channels 90
 Max applicable power 400 W
 Minimum S.W.R. 1
 Gain 1.3 dB
 Length 1460 mm



ALAN 145 COD. E 087

High power CB antenna complete with magnetic mount Ø120 mm.

TECHNICAL SPECIFICATIONS

Frequency range 27 MHz
 N° of channels 90
 Max applicable power 440 W
 Minimum S.W.R. 1
 Gain 1.3 dB
 Length 1460 mm
 Whip material fiber

CAR AND TRUCK ANTENNAS



SUPERCHARLY

COD. T 385

CHARLY 27

COD. T 334

CELLULAR

COD. T 624

C PHONE S

COD. T 688

C PHONE F

COD. T 687

TECHNICAL SPECIFICATIONS	SUPERCHARLY	CHARLY 27	CELLULAR	C PHONE S	C PHONE F
Frequency range	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz
N° of channels	40	40	40	160	160
Max applicable power	100 W	10 W	10 W	140 W	140 W
Minimum S.W.R.	1:1,06	1:1,02	1:1,02	1:1,2	1:1,2
Gain	1,3 dB	0,7 dB	0,6 dB	3 dB	3 dB
Length	810 mm.	740 mm.	670 mm.	Stilo dritto 416 mm. Stilo molla 390 mm.	Stilo dritto 405 mm. Stilo molla 370 mm.
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Weight	450 g.	420 g.	400 g.	350 g.	350 g.
Whip material	Acciaio	Acciaio	Acciaio	Acciaio	Acciaio
Connector type	PL 259	PL 259	PL 259	PL 259	PL 259
Hole diameter	10 mm.	10 mm.	10 mm.	10 mm.	10 mm.

CAR AND TR



LOG 90

COD. T 290



MIDLOG

COD. E 043



KATTY 27

COD. T 293



GAMMA 1 R

COD. E 055



GAMMA 2 R

COD. E 056

TECHNICAL SPECIFICATIONS

	LOG 90	MIDLOG	KATTY 27	GAMMA 1 R	GAMMA 2 R
Frequency range	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz
N° of channels	80	100	200	200	120
Max applicable power	100 W	100 W	350 W	300 W	300 W
Minimum S.W.R.	1:1,02	1:1,1	1:1,05	1:1,2	1:1,2
Gain	3 dB	1,2 dB	1,2 dB	1,5 dB	1,2 dB
Length	935 mm.	1080 mm.	1600 mm.	1290 mm.	1000 mm.
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Weight	400 g.	500 g.	520 g.	520 g.	500 g.
Whip material	Fiber	Fiber	Fiber	Fiber	Fiber
Connector type	PL 259	PL 259	PL 259	PL 259	PL 259
Hole diameter	12 mm.	12 mm.	12 mm.	12 mm.	12 mm.

JK

ANTENNAS



BOND

COD. T 619

DIABOLIK

COD. T 620

GINKO

COD. T 621

MAGIC 120

COD. T 627

MAGIC 90

COD. T 626

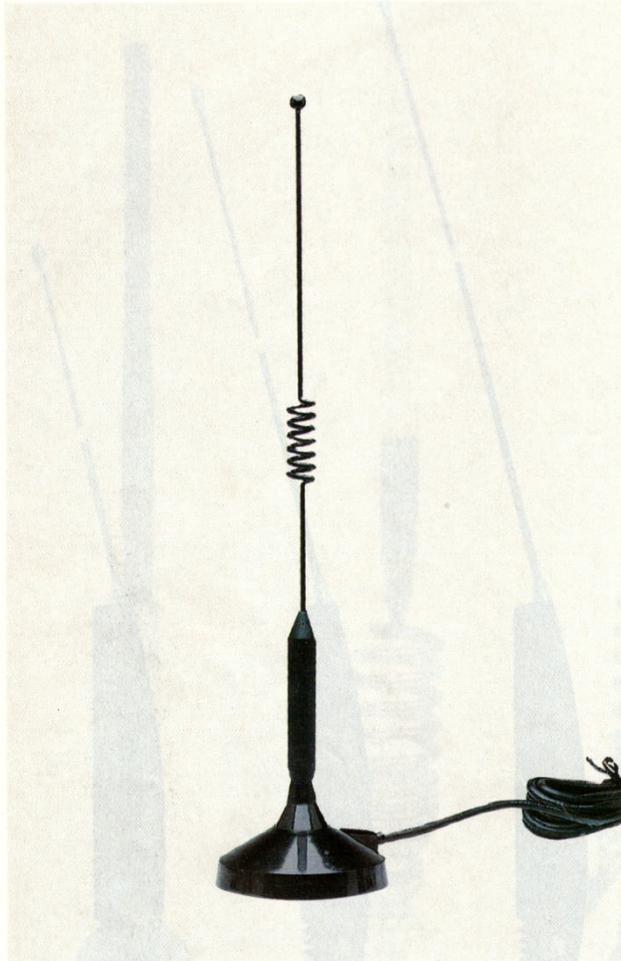
MAGIC 60

COD. T 625

TECHNICAL SPECIFICATIONS

	BOND	DIABOLIK	GINKO	MAGIC 120	MAGIC 90	MAGIC 60
Frequency range	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz
N° of channels	120	60	40	120	90	60
Max applicable power	900 W	350 W	100 W	100 W	60 W	40 W
Minimum S.W.R.	1:1,25	1:1,1	1:1,1	1:1,1	1:1,1	1:1,2
Gain	1,5 dB	1,2 dB	1 dB	1,4 dB	1,2 dB	1 dB
Length	1560 mm.	1150 mm.	900 mm.	1200 mm.	900 mm.	600 mm.
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Weight	500 g.	450 g.	400 g.	360 g.	360 g.	320 g.
Whip material	Steel	Steel	Steel	Steel	Steel	Steel
Connector type	PL 259	PL 259	PL 259	PL 259	PL 259	PL 259
Hole diameter	10 mm.	10 mm.	10 mm.	10 mm.	10 mm.	10 mm.

ANTENNAS WITH MAGNETIC MOUNT



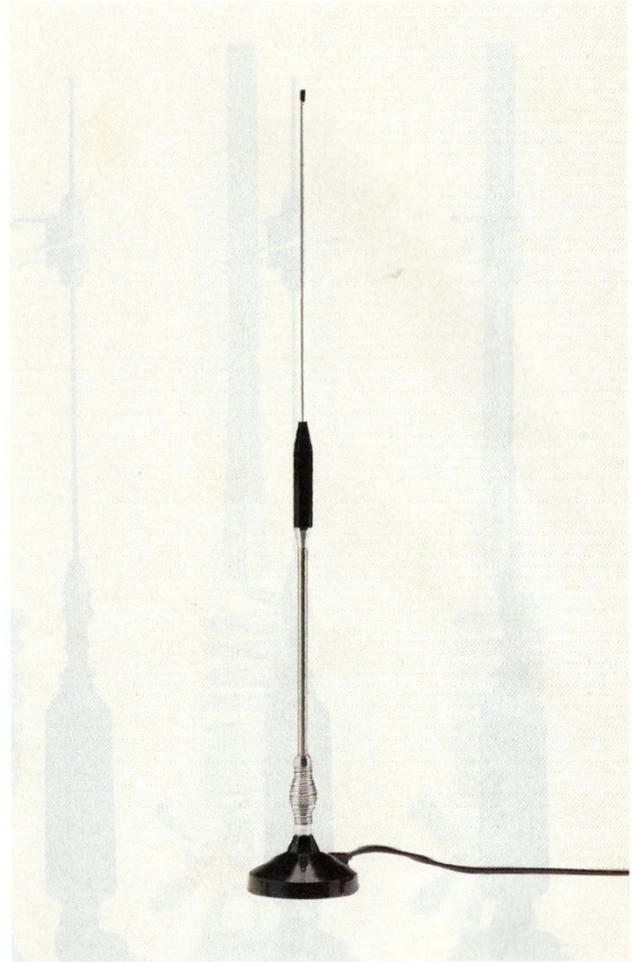
HELP 27 COD. E 091

COMPACT C.B. ANTENNA SUPPLIED WITH MAGNETIC MOUNT.

This antenna has been carefully designed to improve its performances and its aesthetic features, besides the fact that it has been made very similar to the cellular telephone antennas. The magnetic mount of a high traction type, and the wideband circuit make this antenna easily installed: in fact, for the installation, place it on the roof of the vehicle, connect it to the transceiver and it is ready to be used. Thanks to this great versatility, THIS ANTENNA IS PARTICULARLY SUITABLE FOR THE EMERGENCY SYSTEMS, in particular with handheld transceivers, for example ALAN 38, ALAN 80A, ALAN 98.

TECHNICAL SPECIFICATIONS

Frequency range	26-28 MHz
N° channels	160
Maximum applicable power	140 W
Minimum S.W.R.	1:1.2
Gain	3 dB
Length	Rod with spring 370 mm
Fitting piece	Magnetic mount Ø 90 mm
Connector	PL 259



IKA 105 COD. T 654

C.B. ANTENNA WITH MAGNETIC MOUNT

C.B. antenna supplied with high-efficiency central coil, and anti shock chromium plated spring. It equipped with a magnetic mount for a quick installation, complete with cable and PL 259 connector. It is particularly suitable for handheld units and in case of emergency thanks to its installation speed.

TECHNICAL SPECIFICATION

Frequency	26.965 - 27.405
Length	66 cm
Max. power	100 W
Magnetic fixing	it is guaranteed according to legal speed limits.

CAR AND TRUCK ANTENNAS



DV 27 B

COD. T 546



DV 27 X

COD. T 497



DV 27 TE

COD. T 402



DV 27 RM

COD. T 403



ALAN 27

COD. T 611

TECHICAL SPECIFICATIONS	DV 27/B	DV 27X	DV 27TE	DV 27RM	ALAN 27
Frequency range	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz
N° of channels	80	100	60	90	160
Max applicable power	50 W	100 W	50 W	100 W	900 W
Minimum S.W.R.	1:1,06	1:1,2	1:1,5	1:1,2	1:02
Gain	1,2 dB	3,5 dB	1,5 dB	3 dB	1,2 dB
Length	1340 mm.	970 mm.	530 mm.	940 mm.	1530 mm.
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Weight	380 g.	470 g.	300 g.	340 g.	450 g.
Whip material	Fiber	Steel	Fiber	Fiber	Steel
Connector type	PL 259	PL 259	PL 259	PL 259	PL 259
Hole diameter	12 mm.	12 mm.	12mm.	12mm.	10 mm.

CAR AND TRUCK ANTENNAS



ALAN SL E ALAN 2K E ENERGY 8 ENERGY 10 THUNDER UNO THUNDER DOS

COD. T 638

COD. T 643.02

COD. T 701.01

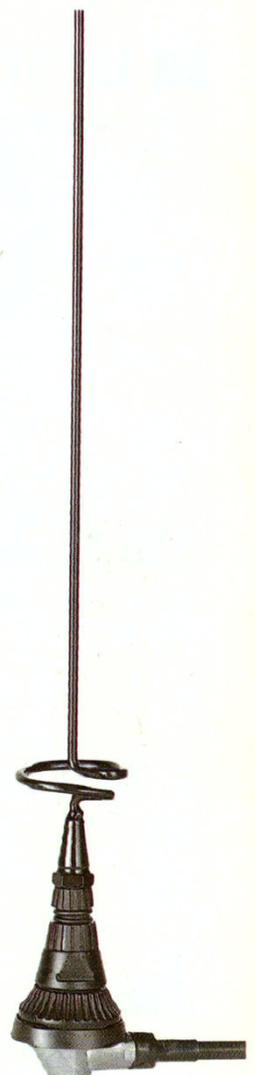
COD. T 702.02

COD. T 444.02

COD. T 445.01

TECHNICAL SPECIFICATIONS	ALAN SL E	ALAN 2K E	ENERGY 8	ENERGY 10	THUNDER UNO	THUNDER DOS
Frequency range	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz	27 MHz
N° of channels	160	200	160	160	160	160
Max applicable power	900 W	1600 W	900 W	900 W	900 W	900 W
Minimum S.W.R.	1:02	1:1.2	1:02	1:02	1:02	1:02
Gain	1,2 dB	4 dB	1,2 dB	1,2 dB	1,2 dB	1,2 dB
Length	1530 mm.	1430 mm.	1530 mm.	1530 mm.	1530 mm.	1530 mm.
Impedance	50 Ohm	52 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Weight	450 g.	400 g.	450 g.	450 g.	450 g.	450 g.
Whip material	Steel	Steel	Steel	Steel	Steel	Steel
Connector type	PL 259	PL 259	PL 259	PL 259	PL 259	PL 259
Hole diameter	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm

VHF ANTENNAS FOR CAR



NEW AMBRA

COD. T 364

M8 144

COD. C 024

VH 1

COD. F 092

VH 2

COD. F 093

CT 2 V/U BIBANDA

COD. T 735

TECHNICAL SPECIFICATIONS

	NEW AMBRA	M8 144	VH 1	VH 2	CT 2 V/U
Frequency range	140-174/430-450 MHz	144 MHz	144-175 MHz	144-175 MHz	140-175 / 420-480 MHz
N° of channels	3500	800			
Max applicable power	20 W	50 W	100 W	100 W	50 W
Minimum S.W.R.	1:1,1	1:1,2	1:1,2	1:1,2	1,2:1
Gain	1 dB	1,1 dB	1,3 dB	3 dB	2 dB
Length	1020/450 mm.	1500 mm.	510 mm.	1200 mm.	510 mm.
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Weight	250 g.	300 g.	300 g.	450 g.	200 g.
Whip material	Steel	Fiber	Steel	Steel	Steel
Connector type	PL 259	PL 259	PL 259	PL 259	SO 239
Hole diameter	10 mm	12 mm	12 mm	12 mm	16 mm

MAGNETIC MOUNTS

BM 120 DV COD. T 057

BLACK MAGNETIC MOUNT Ø 120 mm.
Designed to resist in conditions of high speed. It is equipped with a heavy duty magnetic base with DV connection c/w cable and connector.

TECHNICAL SPECIFICATIONS

Frequency range **26-460 MHz**
Max speed allowed **80/130 Km/h**
Mount diameter **Ø 120 mm.**
Rubber antiscratch magnetic cover.

BM 140 DV COD. T 063

BLACK MAGNETIC MOUNT Ø 140 mm.
Designed to resist in conditions of high speed. It is equipped with a heavy duty magnetic base with DV connection c/w cable and connector.

TECHNICAL SPECIFICATIONS

Frequency range **26-460 MHz**
Max speed allowed **130/180 Km/h**
Mount diameter **Ø 140 mm.**
Rubber antiscratch magnetic cover.



120 PL COD. T 036

BLACK MAGNETIC MOUNT Ø 120 mm.
Designed to resist in conditions of high speed. It is equipped with a heavy duty magnetic base with SO 239 connector and cable.

TECHNICAL SPECIFICATIONS

Frequency range **26-460 MHz**
Max speed allowed **80/130 Km/h**
Mount diameter **Ø 120 mm.**
Rubber antiscratch magnetic cover.

140 PL COD. T 052

BLACK MAGNETIC MOUNT Ø 140 mm.
Designed to resist in conditions of high speed. It is equipped with a heavy duty magnetic base with SO 239 connector and cable.

TECHNICAL SPECIFICATIONS

Frequency range **26-460 MHz**
Max speed allowed **130/180 Km/h**
Mount diameter **Ø 140 mm.**
Rubber antiscratch magnetic cover.



120 U COD. T 567

BLACK MOUNT Ø 120 mm.
Designed to resist in conditions of high speed. It is equipped with a heavy duty magnetic base.

TECHNICAL SPECIFICATIONS

Frequency range **26-460 MHz**
Max speed allowed **80/130 Km/h**
Mount diameter **120 mm.**
Rubber antiscratch magnetic cover.

140 U COD. T 564

BLACK MAGNETIC MOUNT Ø 140 mm.
Designed to resist in conditions of high speed. It is equipped with a heavy duty magnetic base.

TECHNICAL SPECIFICATIONS

Frequency range **26-460 MHz**
Max speed allowed **130/180 Km/h**
Mount diameter **140 mm.**
Rubber antiscratch magnetic cover.



BASE MAGNETICA NERA COD. T 296

BLACK MAGNETIC MOUNT Ø 91 mm. Designed to resist in conditions of high speed. It is equipped with black magnetic base with SO 239 connector.

TECHNICAL SPECIFICATIONS

Frequency range **26-470 MHz**
Max speed allowed **130/150 Km/h**
Mount diameter **91 mm.**
Rubber antiscratch magnetic cover.



ACCESSORIES FOR ANTENNAS



GRONDA 27 COD. T 054

GUTTER MOUNT This gutter mounting bracket is manufactured with strong hot galvanized stamped plate, thus permitting any mobile antenna to be installed without having to drill the vehicle bodywork. The special suction cup guarantees adherence to the roof of the vehicle. The screw coupling permits fast assembly and dismantling.



NEW GRONDA COD. T 055

CAST METAL GUTTER MOUNT This gutter mounting bracket is manufactured with strong hot galvanized stamped plate, thus permitting any mobile antenna to be installed without having to drill the vehicle body.



SP 21 COD. T 390

MIRROR MOUNT This adjustable mirror mount enables any mobile antenna to be installed on the rear-view mirror avoiding unaesthetic holes on the bodywork.



SP 40 COD. T 556

TRUNK LIP MOUNT. This trunk rack bracket is manufactured with strong moulded metal plate thus permitting any mobile antenna to be installed without having to drill the bodywork. It can be fixed directly on the car rear bonnet.



COD. T 602
NEW CENTER-OF-THE-ROOF
New center-of-the-roof/gutter mount connection for USA series.

COD. T 602.01
COD. T 602.02



COD. T 301
CENTER-OF-THE-ROOF MOUNT
USA series.

COD. T 598
CAP FOR CENTER-OF-THE-ROOF



DV 27 PL COD. T 599

SMALL CTE ANTENNA MOUNT WITH WINGNUT.



SC 27 COD. T 441 SPECIAL SCREW FOR FC 27

LC 27 COD. T 370 CONNECTOR FOR FC 27

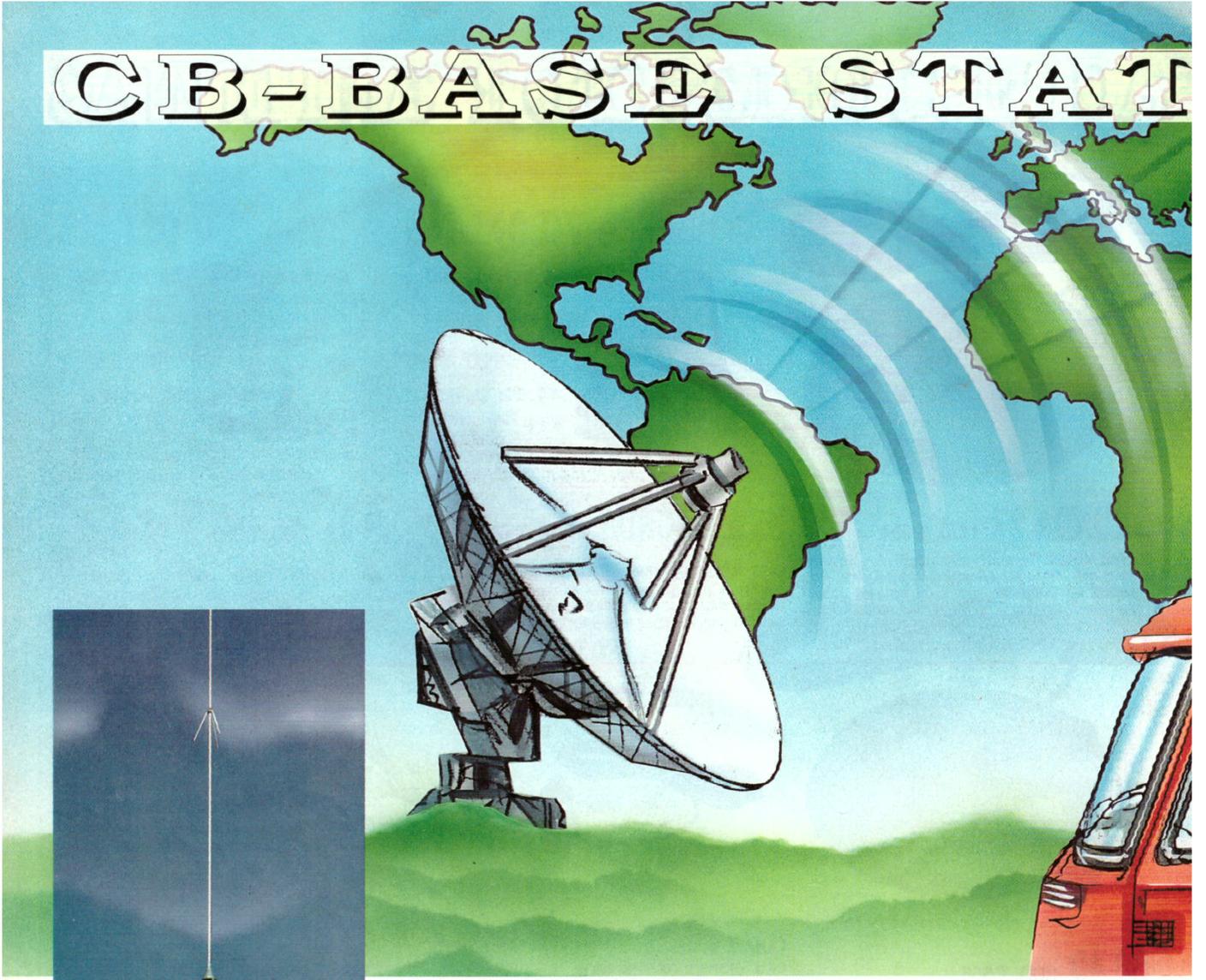
FC 27 COD. T 478 SPECIAL SCREW FOR FC 27



CENTROTETTO 3/8"

COD. T 722
CENTER-OF-THE-ROOF MOUNT FOR 3/8"
VEHICULAR ANTENNAS.

CB-BASE STAT



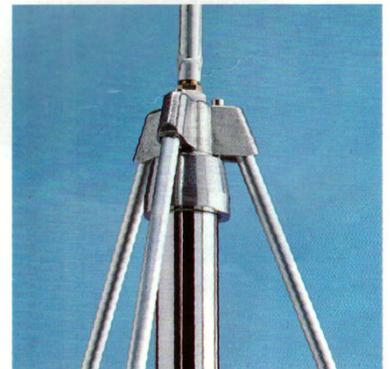
SKYLAB COD. T233

3-RADIAL CB BASE ANTENNA

In Europe, we have sold more SKYLAB antennas than any other. It has been designed to provide optimum sensitivity on reception and excellent penetration on transmission, combined with a long life and high mechanical strength. It is made with anticorrosive aluminium, brass and nylon; all metal interconnecting items are turned copper made. ANTI-JAMMING RADIALS Three-anti-jamming small radials complete the SKYLAB antenna. They have the function of reducing static charges induced on the antenna itself.

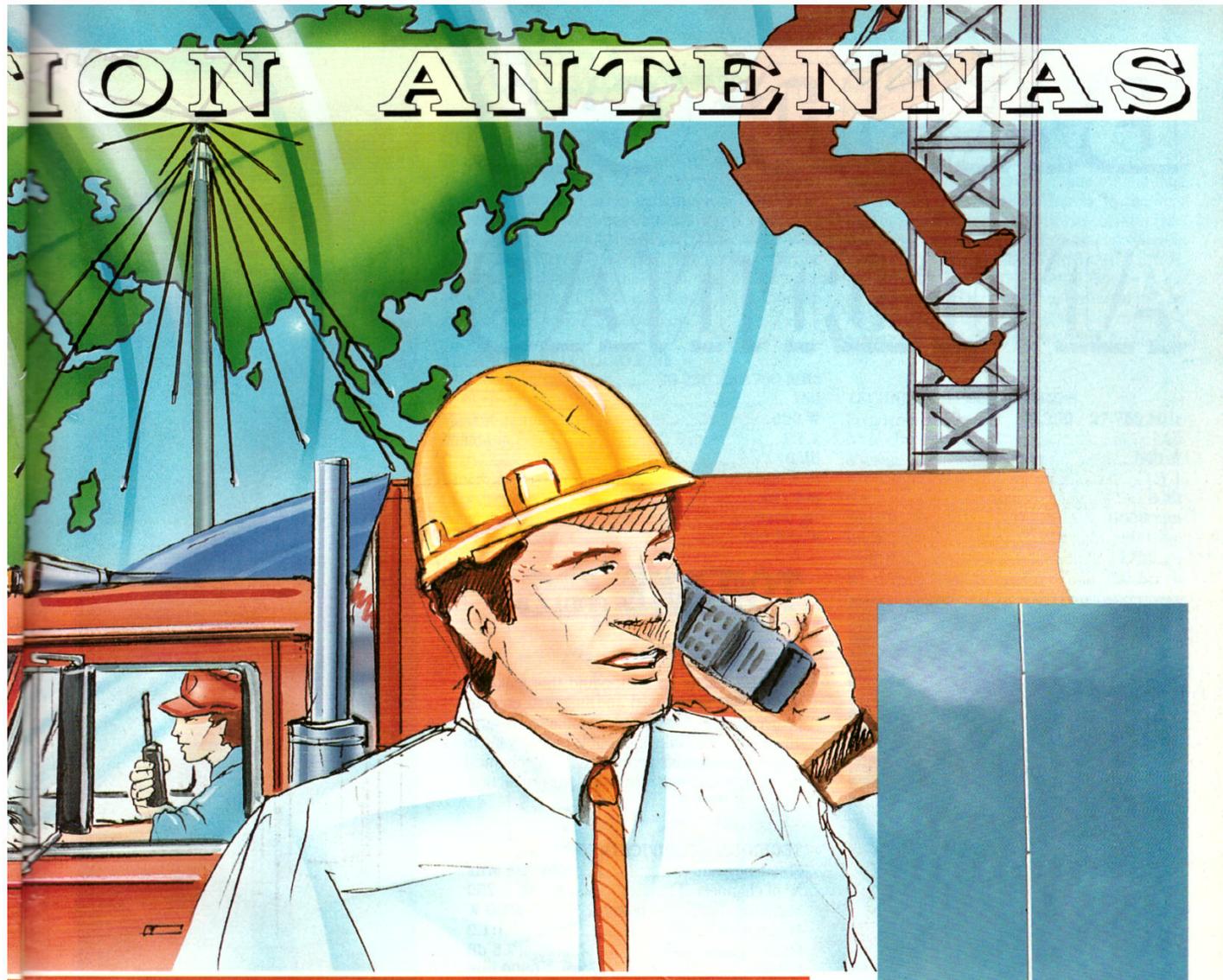
BASE. The base is a single aluminium block which provides maximum mechanical strength and optimum sealing of joints. ADJUSTMENT. The antenna requires no adjustment, since it is preset in the factory. FRAME TO PREVENT WIND WHISTLE. This frame anchors the three radials to the supporting pole and prevents them from whistling when the wind is blowing.

MOUNTING. The antenna is directly mounted on the base and can accept support poles with 30-35 mm. dia.

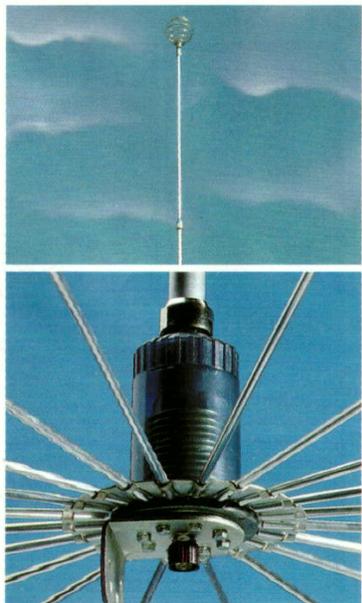


TECHNICAL SPECIFICATIONS

Frequency range	27 MHz
Nº of channels	200
Maximum applicable power	1000 W
Minimum S.W.R.	1±1.1
Gain	7 dB
Length	5500 mm
Impedance	50 Ohm
Wind resistance	120 Km/h
Weight	1800 gr.



ION ANTENNAS



SPECTRUM 1600

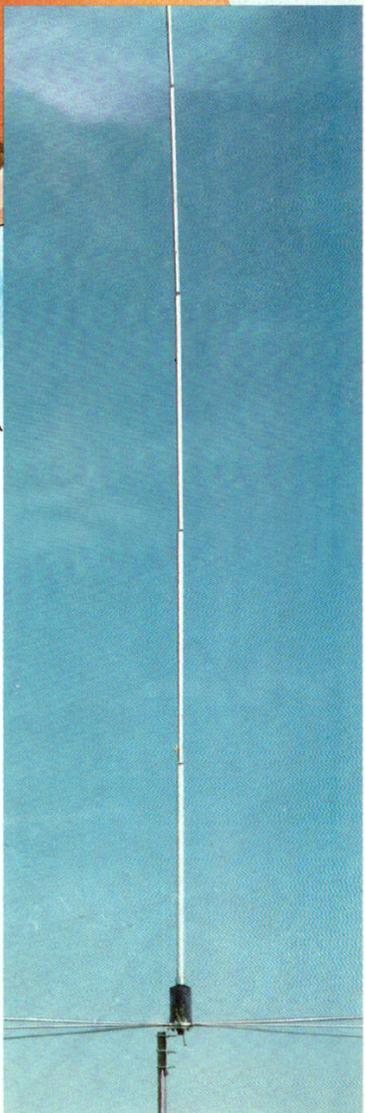
COD. T 605

20-RADIAL CB BASE ANTENNA

This 5/8 wave antenna represents an excellent solution to optimize the ratio between yield and number of channels. The tip is of the "HI-PERFORMANCE" kind and the mass radials are especially strong since they are self-blocking.

TECHNICAL SPECIFICATIONS

Frequency range	25-29 MHz
N° of channels	300
Maximum applicable power	2500 W
Minimum S.W.R.	1÷1.2
Gain	7,5 dB
Length	6200 mm



BASE CB ANTENNAS

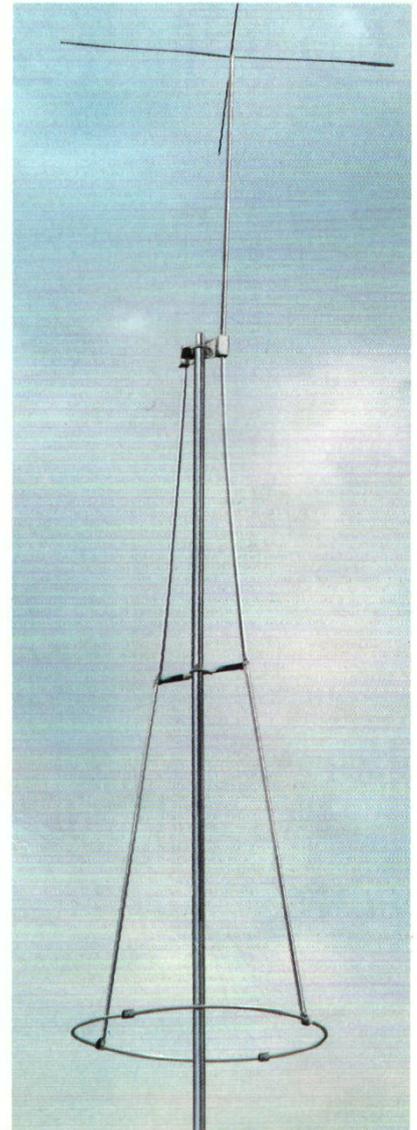
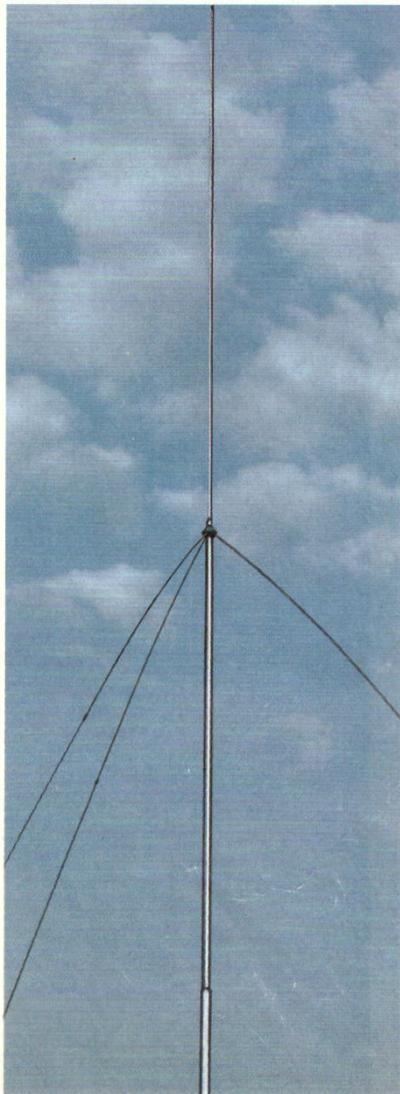
TOP-ONE COD. E 044

CB BASE ANTENNA.

"Top-one" needs no setting and this makes it suitable for being used and installed even by people of little experience. Thanks to its large dimensions we make it possible for everyone to obtain considerable performances. Mechanical resistance is guaranteed by 5/8" wave production.

TECHNICAL SPECIFICATIONS

Frequency range 26 - 28 MHz
 N° of channels 250
 Maximum applicable power 2000 W
 Minimum S.W.R. 1:1.2
 Gain 7.5 dB
 Length 6900 mm



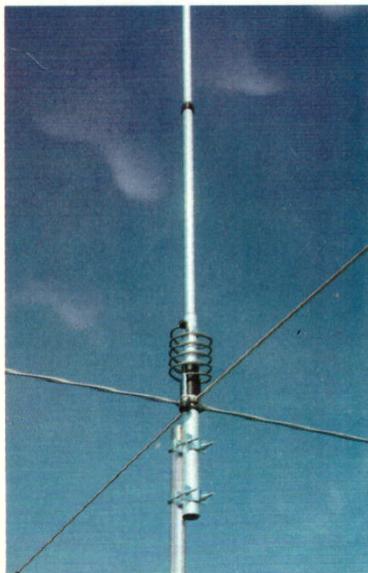
GP 270/3 COD. T 230

3-RADIAL CB BASE ANTENNA.

The GP 270 / 3 is a ground plane-type antenna, anticorrosional aluminium made. It is a 1/4 wave and the absence of loading coils allows the GP 270/3 to reach the highest possible efficiency for a ground plane antenna. **Base.** The base for this antenna has been cast from a single aluminium block so as to ensure maximum strength and complete tightness of all joints. **Setting.** The antenna does not require adjusting as it is preset in the factory. **Mounting.** The antenna is directly mounted on the base and can take support poles with 30-35 mm. dia.

TECHNICAL SPECIFICATIONS

Frequency range 26- 28 MHz
 N° of channels 200
 Maximum applicable power 1 KW
 Minimum S.W.R. 1:1.1
 Wind resistance 100 Km/h
 Connector SO 239 type
 Impedance 50 Ohm
 N° of radials 3



FUTURA COD. T 236

CB BASE ANTENNAS

Thanks to the technical solutions adopted in the design of the FUTURA, this antenna offers excellent reception and transmission performances. The FUTURA has excellent wind-resistant features in spite of its considerable weight and height. **SETTING AND S.W.R. ADJUSTING FROM THE BASE.** The antenna may be adjusted by regulating the metal ring on its base. **MOUNTING.** The FUTURA mounting system can take support poles with 35/40 mm. dia.

TECHNICAL SPECIFICATIONS

Frequency range	26.250 - 27.750 MHz
N° of channels	150
Maximum applicable power	500 W
Minimum S.W.R.	1:1.1
Gain	6 dB
Length	6600 mm
Impedance	50 Ohm
Weight	2100 gr.
Wind resistance	100 Km/h

BASE CB ANTENNAS

NEW SPACELAB COD. T 397

4-RADIAL CB BASE ANTENNA.

Thanks to the technical solutions adopted in the design of the SPACELAB 27, this aerial offers excellent reception and transmission performances. Due to its carefully selected materials, the SPACELAB 27 has excellent wind-resistant features in spite of its considerable weight and height. **Setting.** The aerial can be adjusted by sliding upwards or downwards the top stub section of the SPACELAB 27.

MOUNTING. The SPACELAB 27 mounting system can take support poles with 30/50 mm. dia.

TECHNICAL SPECIFICATIONS

Frequency range	27 MHz
N° of channels	200
Maximum applicable power	1500 W
Minimum S.W.R.	1:1.1
Gain	7.3 dB
Length	6600 mm
Type	5/8 wave
Weight	2700 gr.

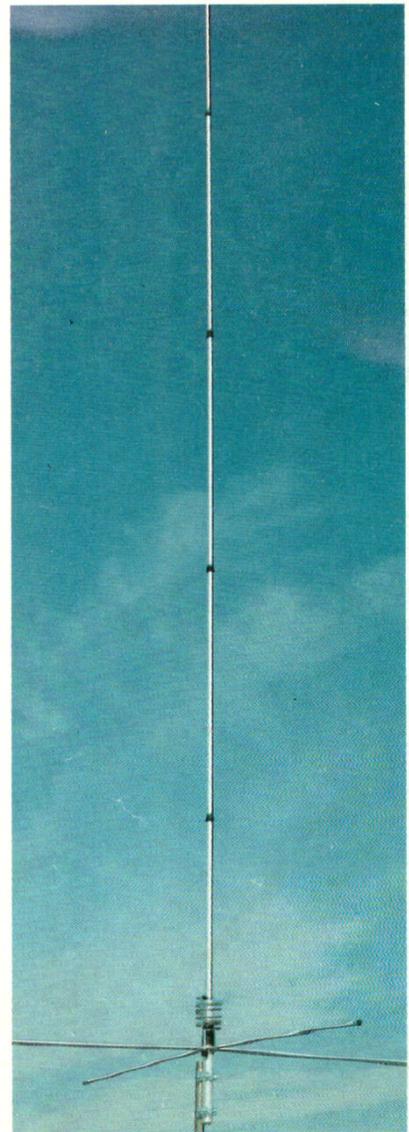
MERCURY COD. T 235

CB BASE ANTENNA

The MERCURY antenna has been designed for superb reception sensitivity and outstanding transmission performance. Thanks to the very high quality of materials used for its construction, this antenna is able to withstand considerable environmental strain. **SETTING AND S.W.R. ADJUSTING FROM THE BASE.** The antenna may be adjusted by regulating the metal ring on its base. **MOUNTING.** The MERCURY mounting system can take support poles with 30/40 mm. dia.

TECHNICAL SPECIFICATIONS

Frequency range	26.250 - 27.750 MHz
N° of channels	150
Maximum applicable power	500 W
Minimum S.W.R.	1:1.1
Gain	6 dB
Length	6000 mm
Impedance	50 Ohm
Weight	1750 gr.
Wind resistance	120 Km/h



CB BASE ANTENNAS

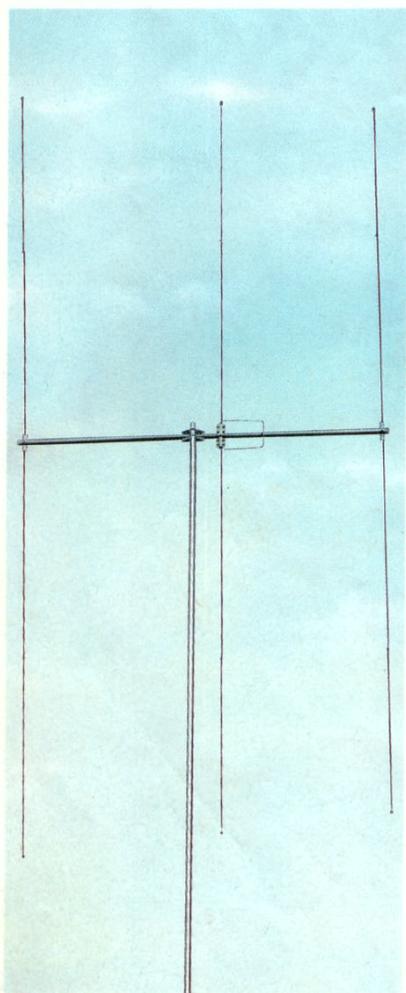
SALIUT 27 COD. T 398

CB BASE ANTENNA.

The SALIUT 27 is an aerial specifically designed for long-distance (DX) links. Its exceptionally long stub permits extraordinary transmission and reception performance. Among omnidirectional aerials, this is undoubtedly the one with the highest gain. **Base.** The SALIUT 27 base is designed for any type of mounting and to guarantee maximum resistance to wind and to extreme weather conditions. **Setting.** The aerial does not require adjusting as it is preset in the factory. If adjustments are required, slide top stub section upwards or downwards. **Mounting.** The SALIUT 27 clamping system can take support poles with 30-50 mm dia.

TECHNICAL SPECIFICATIONS

Frequency range	27 MHz
N° of channels	200
Maximum applicable power	2000 W
Minimum S.W.R.	1:1.1
Gain	7 dB
Length	9100 mm
Weight	5600 gr.
Aerial type	3/4 wave



CB DIRECTIONAL BASE ANTENNAS

SPITFIRE 27

COD. T 237

CB BASE ANTENNA The SPITFIRE 27 is a three-element directive comprising reflector, radiator and director. It may be mounted either in the vertical or horizontal planes. This type of antenna permits long distance contacts and is particularly suitable for DX. The antenna is made of anticorodal aluminium and hot galvanized steel plate. **Base.** The base is hot galvanized steel plate made and allows the SPITFIRE 27 antenna to be mounted in either the horizontal or vertical plane. **Setting.** This antenna requires no adjustment in

the vertical position. However, for horizontal polarization, it is necessary to use appropriate Gamma Match supplied with the antenna. **MOUNTING.** The SPITFIRE 27 mounting system can accommodate support poles with 30-40 mm. dia.

TECHNICAL SPECIFICATIONS

Frequency range	26 - 30 MHz
N° of channels	400
Maximum applicable power	2000 W
Minimum S.W.R.	1:1.3
Gain	9 dB
Length	5500 mm
Weight	2700 gr.
Type	5/8 wave

CB BALCONY ANTENNAS

STORM 27 COD. T672

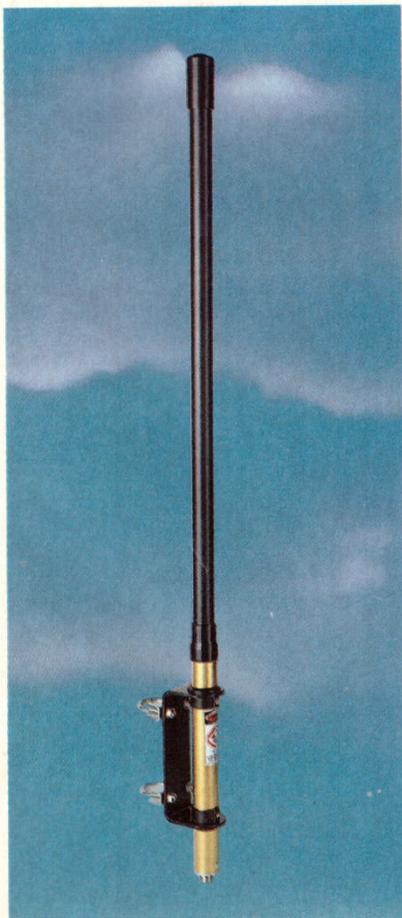
UNIVERSAL CB ANTENNA 500 W

A small antenna with high performance capacity. The STORM 27 has been designed to work anywhere. For base operation, it can be mounted high on a mast, inside an attic or even on a balcony. Its no ground operation and fiberglass whip make it suitable for marine use.

- * Base, boat or truck application
- * No ground required
- * Fully waterproof
- * 500 W capacity
- * Low wind resistance
- * No S.W.R. adjustments
- * Supplied with hardware for mast mounting
- * Overall height: 1 meter

TECHNICAL SPECIFICATIONS

Frequency range	27 MHz
N° of channels	200
Maximum applicable power	500 W
Minimum S.W.R.	1:1.2
Gain	9 dB
Length	1000 mm



BOOMERANG

COD. T 225

CB BALCONY ANTENNA.

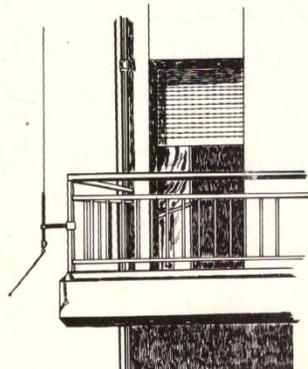
The BOOMERANG antenna is generally used on balconies, but since it provides an artificial ground plane, it may be used as a marine antenna, on caravans and in any situation where extremely fast and easy installation is required.

Setting. It can be adjusted by regulating the earth radial stub.

Mounting. The BOOMERANG antenna mounting system can accommodate support poles with 20-35 mm. dia.

TECHNICAL SPECIFICATIONS

Frequency range	27 MHz
N° of channels	200
Maximum applicable power	300 W
Minimum S.W.R.	1:1.2
Gain	2 dB
Length	3000 mm
Impedance	50 Ohm
Weight	1000 gr.



MINI BOOMERANG

COD. T 224

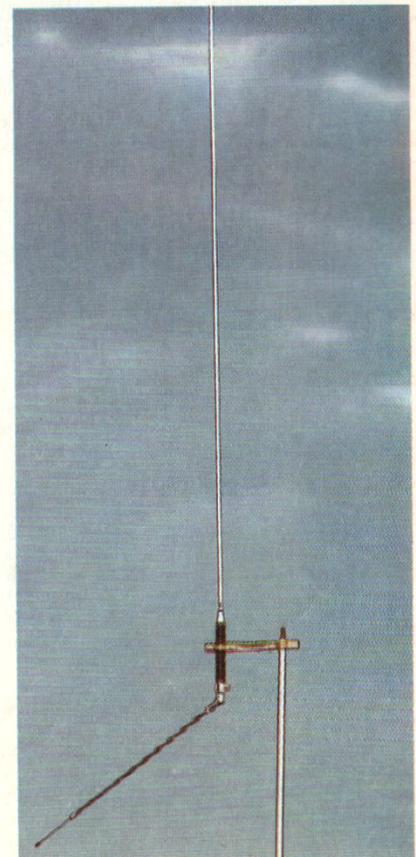
CB BALCONY ANTENNA.

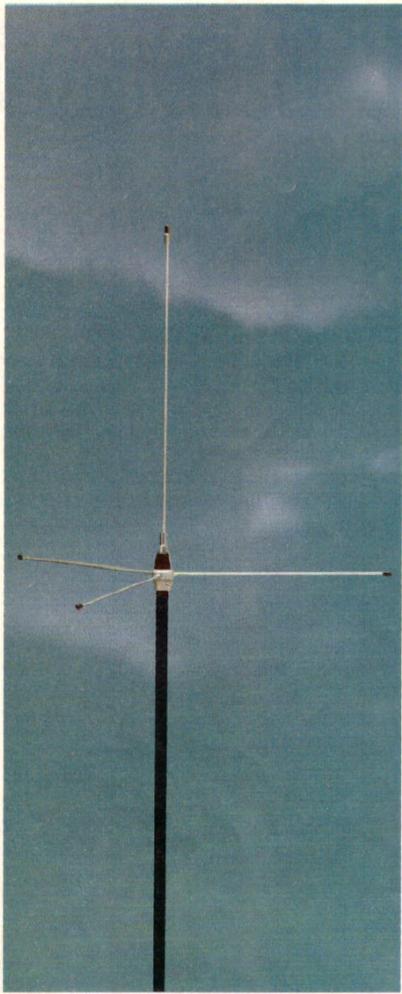
The MINI BOOMERANG antenna has been designed for CB users who require a small antenna which is easy to install. It may be installed on balconies, windows, caravans, campers, crafts etc.

Adjustment. The MINI BOOMERANG antenna is adjusted by using the stub located at the end of earth and central radials.

TECHNICAL SPECIFICATIONS

Frequency range	27 MHz
N° of channels	120
Maximum applicable power	150 W
Minimum S.W.R.	1:1.9
Gain	1 dB
Length	1760 mm





VHF BASE ANTENNA

GP 150 COD. C 167

This ground plane 5/8 wave antenna can cover the entire VHF range for both radioamateur and civilian applications. It is fully made of anticorodal aluminium for maximum lightness and wind resistance.

TECHNICAL SPECIFICATIONS

Frequency range 142 - 175 MHz
 Maximum applicable power 300 W
 Minimum S.W.R. 1:1.3
 Gain 3.2 dB
 Length 1300 mm
 Band width 4 MHz
 Impedance 50 Ohm

GP 145 COD. C 022

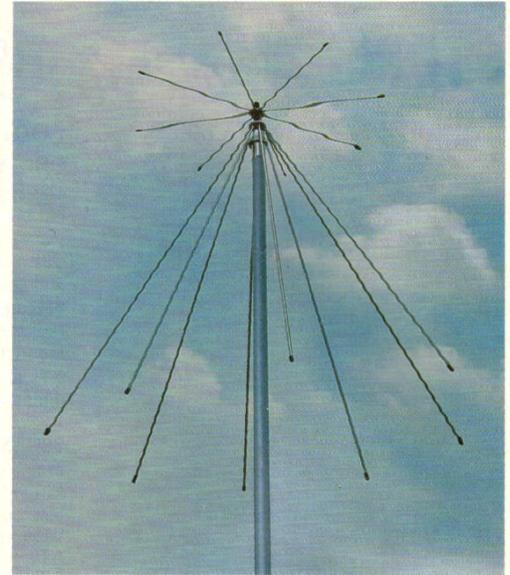
SCANNERS

SKY BAND

COD. T 601

SCANNER ANTENNA.

Transreceiving antenna. Wide band antenna of the "discone" kind, both for scanners and multiband receivers and all base radio-amateurs transceivers, including dual banders. Small-sized, it needs no setting.



TECHNICAL SPECIFICATIONS

Reception frequency range 25 - 1300 MHz
 Transmission frequency range 144-220-440
 900-1290 MHz
 Maximum applicable power 200 W
 Minimum S.W.R. 1:1.5
 Connector SO 239 (PL 259 on the cable)
 Length 740 mm
 Retaining pole 38 mm
 Whip Stainless steel

MICROSCAN

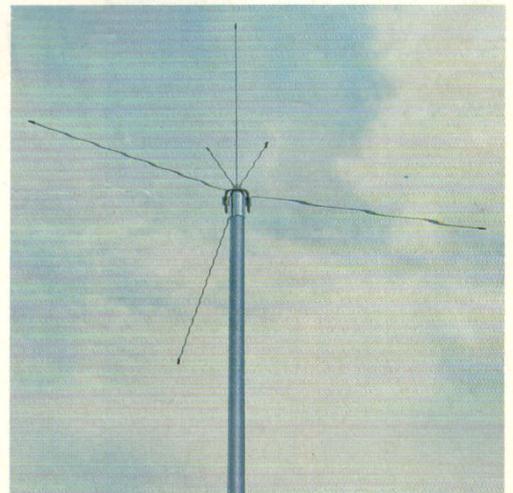
COD. T 600

SCANNER ANTENNA

Wide band ground plane antenna for the reception of radio signals, expressly planned for the scanners (multiband receivers). It needs no setting. Easily installable, small-sized, stainless steel.

TECHNICAL SPECIFICATIONS

Frequency range 108 - 1300 MHz
 Connector PL 259
 Retaining pole f 35 mm
 Whip Stainless steel



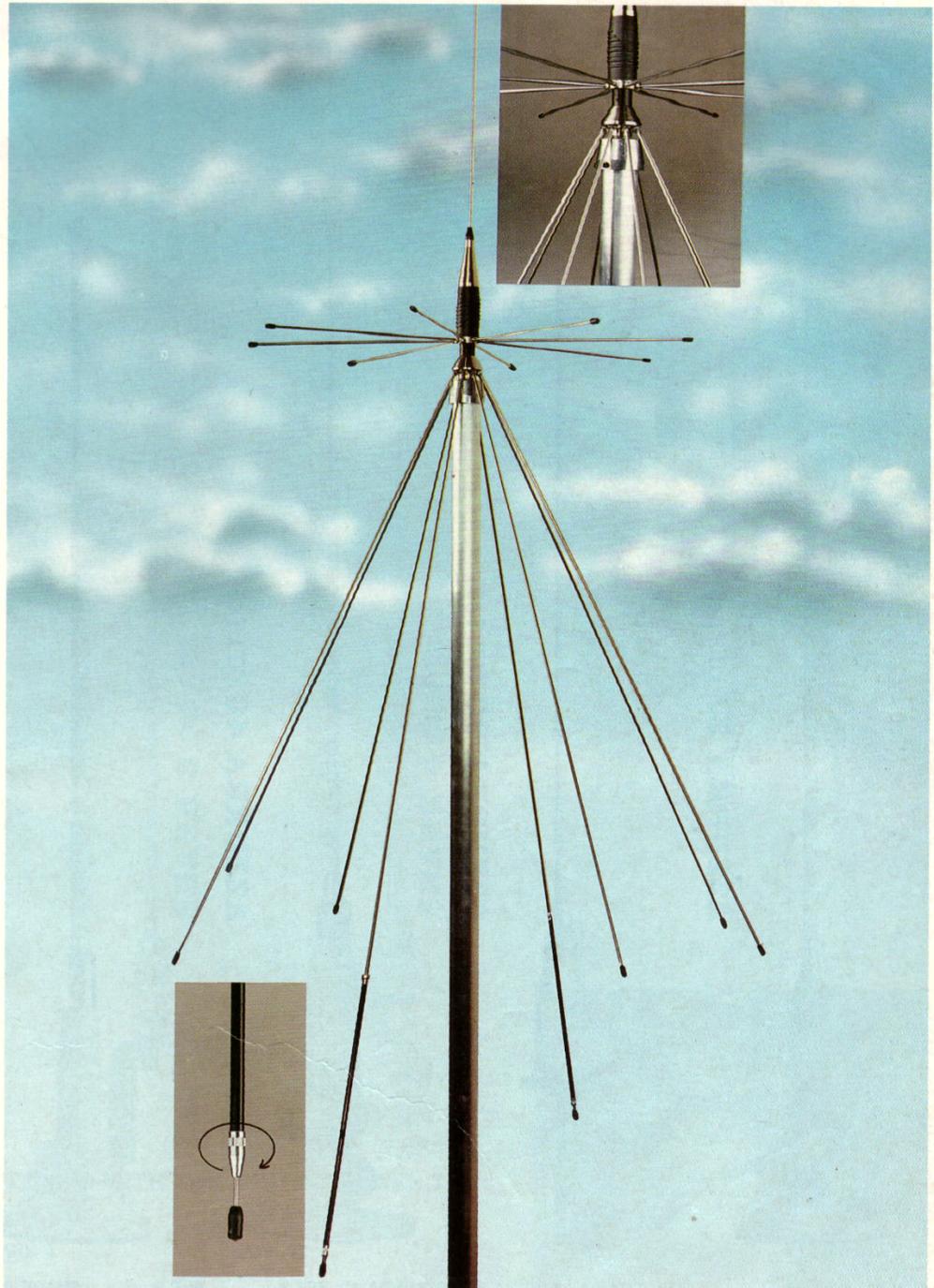
R ANTENNAS

FULL BAND

COD. T 734

MULTI BAND ANTENNA 25-1300 MHz.

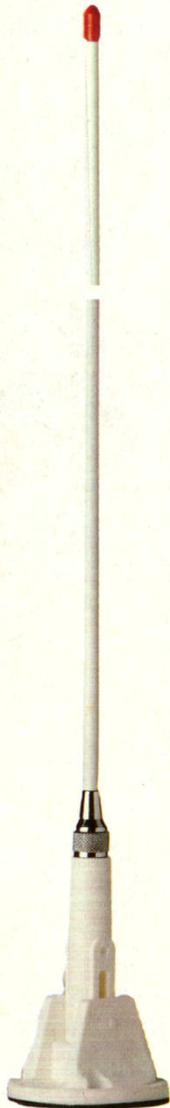
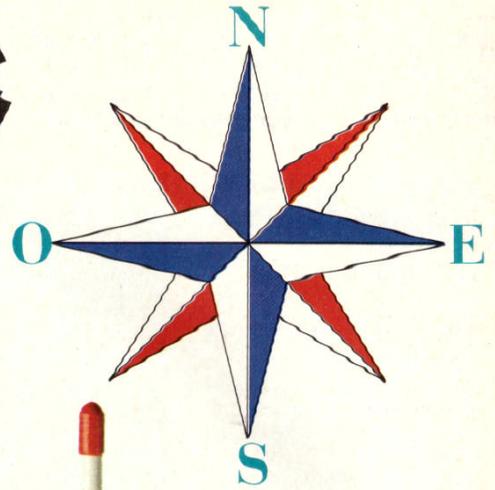
FULL BAND has been specifically designed for amateurs and C.B. users requiring complete band coverage. In fact FULL BAND allows the continuous coverage up to 1300 MHz, but above all it allows the transmission on all amateur and C.B. bands from 25 MHz onwards. Therefore, FULL BAND is very useful for C.B. multi-band and dual banders for Full-Duplex transmissions.



TECHNICAL SPECIFICATIONS

Frequency range	25-1300 MHz
Reception band	27-144-220-440-900-1290 MHz
Transmission band	600 W CB / 200 W VHF-UHF
Max applicable power	7 dB
Gain	1.5:1 max
Minimum S.W.R.	SO 239 (PL 259 on cable)
Connector	35 mm max
Mast dia	
Inox steel radials.	

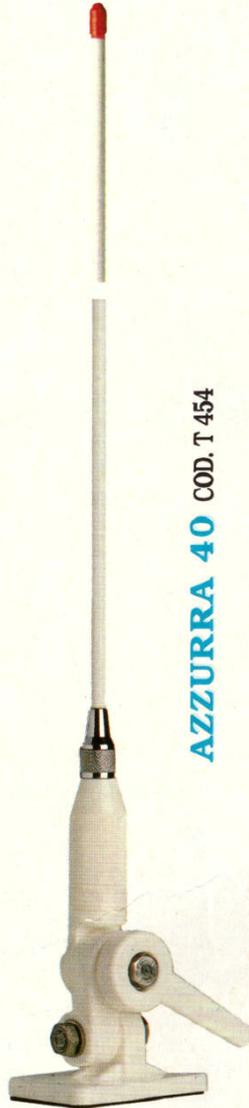
MARINE



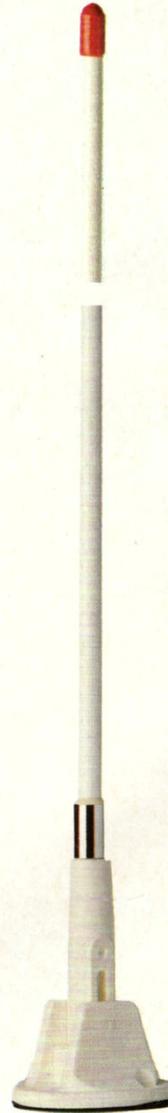
AZZURRA 27 COD. T 453



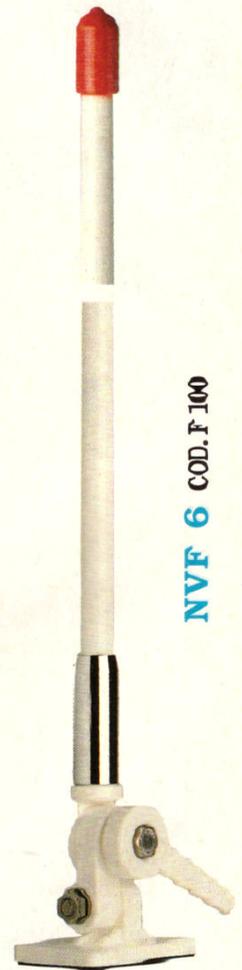
AZZURRA 30 COD. T 455



AZZURRA 40 COD. T 454



NVF 2 COD. F 072

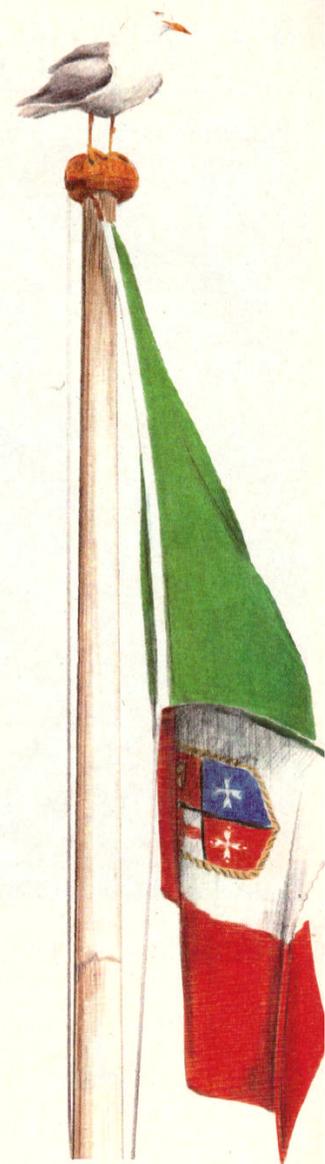


NVF 6 COD. F 100

**CARATTERISTICHE
TECNICHE**

	AZZURRA 27	AZZURRA 30	AZZURRA 40	NVF 2	NVF 6	SHARK 3	SHARK 4	SHARK 32
Frequency range	27 MHz	27 MHz	27 MHz	156-162 MHz	156-162 MHz	156-162 MHz	156-162 MHz	156-162 MHz
N° of channels	40	40	40	600	600	600	600	600
Max applicable power	50 W	50 W	50 W	100 W	100 W	100 W	100 W	100 W
Minimum S.W.R.	1:1,1	1:1,1	1:1,1	1,1+1,5	1,1+1,5	1,1+1,5	1,1+1,5	1,1+1,5
Gain	3 dB	3 dB	3 dB	3 dB	6 dB	3 dB	3 dB	3 dB
Length	1600 mm.	1600 mm.	1600 mm.	1400 mm.	2500 mm.	1400 mm.	1400 mm.	1000 mm.

ANTENNAS



SHARK 32 COD. F 485

SHARK 3 COD. F 483

SHARK 4 COD. F 484

WIDE BAND MARINE ANTENNAS WITH NEW DESIGN THANKS TO ITS TRANSFORMER LOAD COIL.

SHARK 3

Equipped with a stainless steel fixing bracket at fore-mast position, removable whip, SO 239 connector for a direct fitting of the antenna cable, waterproof coil, fiberglass whip. This model is particularly suitable for small boats and for rubber dinghies.

SHARK 4

Equipped with a removable whip, with full boat coverage, articulated joint for an easy adjustment in any position, body in plastic cast and fiberglass whip.

SHARK 32

Equipped with a fixing bracket on the side of the mast with a 20 cm jump, removable whip, SO 239 connector for a direct fitting of the antenna cable, waterproof coil, steel whip. This model is particularly suitable for small boats and inflatable boats.



Cod. T 409 Four way ratchet mount for marine antennas; AZZURRA 40 - NVF 6 - SHARK 4

CELLULAR ANTENNAS



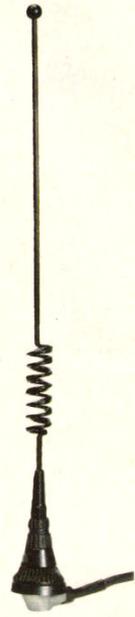
UM 900 0 dB

COD. G 317



GLOBUS

COD. G 334



COLLINEAR PLUS

COD. G 343

NOVELTY Two cellular antennas of different length in only one packing. Complete with base and 5 mt cable plus dipole 174 wave-length.

TECHNICAL SPECIFICATIONS

	UM 900 0 dB	GLOBUS	COLLINEAR PLUS	
			Dipole 1/4wave-length	Collinear whip
Antenna type	S1/4 Wave-length whip	Dipole 1/4 (double ring)		
Frequency range	880-960 MHz	800-1000 MHz	890-960 MHz	890-960 MHz
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Polarization	Vertical	Vertical	Vertical	Vertical
Gain	0 dB	0 dB	0 dB	4 dB
Band width	80 MHz	2000 MHz	80 MHz	70 MHz
S.W.R.	1,3	1,3	1,3	1,2
Maximum power	50 W	50 W	50 W	50 W
Length	90 mm.	50 mm.	490 mm.	320 mm.

HOME AND OFFICE TELEPHONE EXCHANGES



With a 3 telephone exchange series

DK 1004 Cod. D 005 1 line + 4 extensions

DK 2008 Cod. D 006 2 lines + 4 extensions

DK 3012 Cod. D 007 3 lines + 12 extensions

CTE intends to extend its activity in the telephone sector and to this end combines technological know-how, reliability and performance to satisfy the most demanding clientele, offering at very competitive prices what you would normally expect from costly professional equipment.

A series of functions which are present in the base model allow the rational management of communications both in work and domestic environments.

The DK series telephone exchanges are compatible with any telephone in pulse or tone version no matter what type of central exchange is operating. In addition you can connect to the extension any type of apparatus that is suitable for connection to telephone lines, such as cordless phones, answering machines, faxes, or modems.

The basic functions of all three models are:

- * automatic reply
- * automatic access to free lines
- * incoming call transfer
- * hold function
- * reservation of local call lines
- * reservation of busy internal extension
- * conference
- * operator call
- * DISA (transfer to extensions)
- * DO NOT DISTURB signal
- * intercom
- * door button
- * group calls
- * hold music
- * internal call
- * programming password
- * choice of sound
- * number memory
- * external lines limit
- * STD calls limit
- * PULSE or TONES selection

ETOILE

Cod. P 247 Grey
P 248 Red
P 249 Blue
P 250 White

WALL AND DESK TELEPHONE

Led lighting function * Adjustable ON/OFF ringer * Last number redial * Mute button



EXTREME

Cod. P 252 White
P 253 Grey

WALL AND DESK TELEPHONE

Lighted keypad * Last number redial * Fast cancelling *
Adjustable ringer HI/LOW/OFF

PIERRE CARDIN
ELECTRONIC



LE PONT

Cod. P 281 Grey
P 286 White

DESK AND WALL TELEPHONE

Adjustable ringer volume * Last number redial * Mute button



ELEGANCE

Cod. P 300 White
P 301 Grey

DESK AND WALL TELEPHONE

Ringer volume selector * Last number redial * Mute button * Hold music * PULSE system



MELODY

Cod. P 296 Grey
P 297 White

DESK AND WALL TELEPHONE

Ringer ON/OFF switch * Last number redial * Mute button * TONE or PULSE system * Scratchpad memory * Hold music

ESPACE

Cod. P 447 Brier
P 448 Marble

DESK AND WALL TELEPHONE

Led indicators * Last number redial * Adjustable ringer volume

EVOLUTION

Cod. P 234 White
P 235 Grey

DESK AND WALL TELEPHONE

Led illumination * Last number redial * Adjustable ringer volume * 14 memorized numbers of which 4 priority (police, ambulance, etc) and 10 two-touch * Pause button

PROGRESS

Cod. P 369 Black

DESK AND WALL TELEPHONE

Last number redial * selectable ringer volume * Hold music * Prominent led display showing time, number dialled, memo (12-fig. number can be noted during the call) and with call timer with alarm indicating when call goes beyond the set time limit



PIERRE CARDIN
ELECTRONIC



MEMOIRE

Cod. P 302 Grey

ANSWERING MACHINE (WALL MOUNTABLE) WITH TELEPHONE AND MICROCASSETTE

Beeper with secret code * Call recording * Call screening * TONE or PULSE systems * Audioscan * 10 number memory * Flashing call counter * Led indicating incoming calls * Adjustable ringer volume * Adjustable volume * Memo function * Battery back-up



SUPREME

Cod. P 237 Grey

DATA-PHONE WITH 1 OR 2 LINES

150 number memory * 10 priority number memory * Hands-free * Led display * Conference button * Names and numbers scan * Secret function * TONE and PULSE systems



SUPER SOUND

Cod. P 280 White

DESK AND WALL TELEPHONE

Last number redial * 10 number memory * Hands-free * Adjustable ringer volume



JOLLY

Cod. P 279

RADIO ALARM CLOCK AM/FM WITH TONE/PULSE TELEPHONE AND C/PLAYER

Battery back-up (time does not cancel in case of black out) * 24-hour led display * Radio turns off when phone is in use



TEMPO

Cod. P 226 ANTICO

P 227 GALLES

P 228 MODERNO

WALL CLOCK

Battery-run * 230 mm diameter

TEMPO 1

Cod. P 258

TEMPO 2

Cod. P 259

TEMPO 3

Cod. P 260

TEMPO 4

Cod. P 261

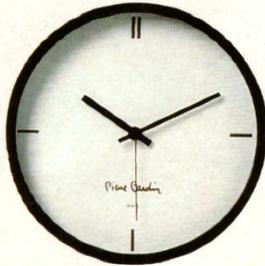
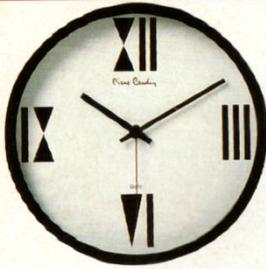
TEMPO 5

Cod. P 262

WALL CLOCK

Battery-run * 230 mm diameter

PIERRE CARDIN
ELECTRONIC

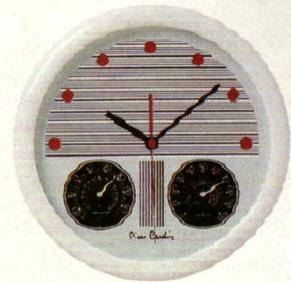
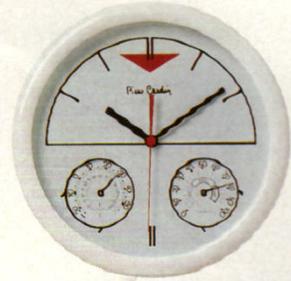


METEO 1 Cod. P 267

METEO 2 Cod. P 268

WALL CLOCK WITH THERMOMETER AND HYDROMETER.

Battery-run * 230 mm diameter



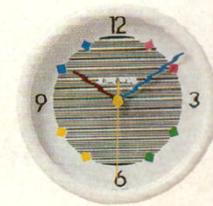
PRECISION 1 Cod. P 263

PRECISION 3 Cod. P 265

PRECISION 4 Cod. P 266

WALL CLOCK

Battery-run * 150 mm diameter





AC 120

Cod. D 027

PURIFIER-IONIZER

To forget the difference between smoking and non-smoking environments, choose this excellent purifier-ionizer called AC 120. A clean and healthy working environment means well-being and better performance. The immediate CLEAN AIR impression that this product gives is due to the combined action of the three main functions which:

- Eliminate all foreign particles present in the air thanks to the double action of the carbon active and electrostatic filters.
- Create the correct ionic balance in the air by means of the negative ions produced by the ionizer compartment.
- Produce a strengthening effect through the action of the essences and balsamic oils contained in the relevant compartment and appropriately mixed, and which also give a pleasant perfume to the air.

PARTICULAR FEATURES: ON/OFF button • Ionizer ON/OFF button • 3-speed adjustment • Adjustable and removable air outlets • Double inlet filters • Compartment for essences and/or perfumes with flow regulator • Air treatment: 120mc/H

CTE is also ...

- FM Broadcasting system
- VHF/UHF Equipment
- Telephones
- Uninterruptable power supply for computers



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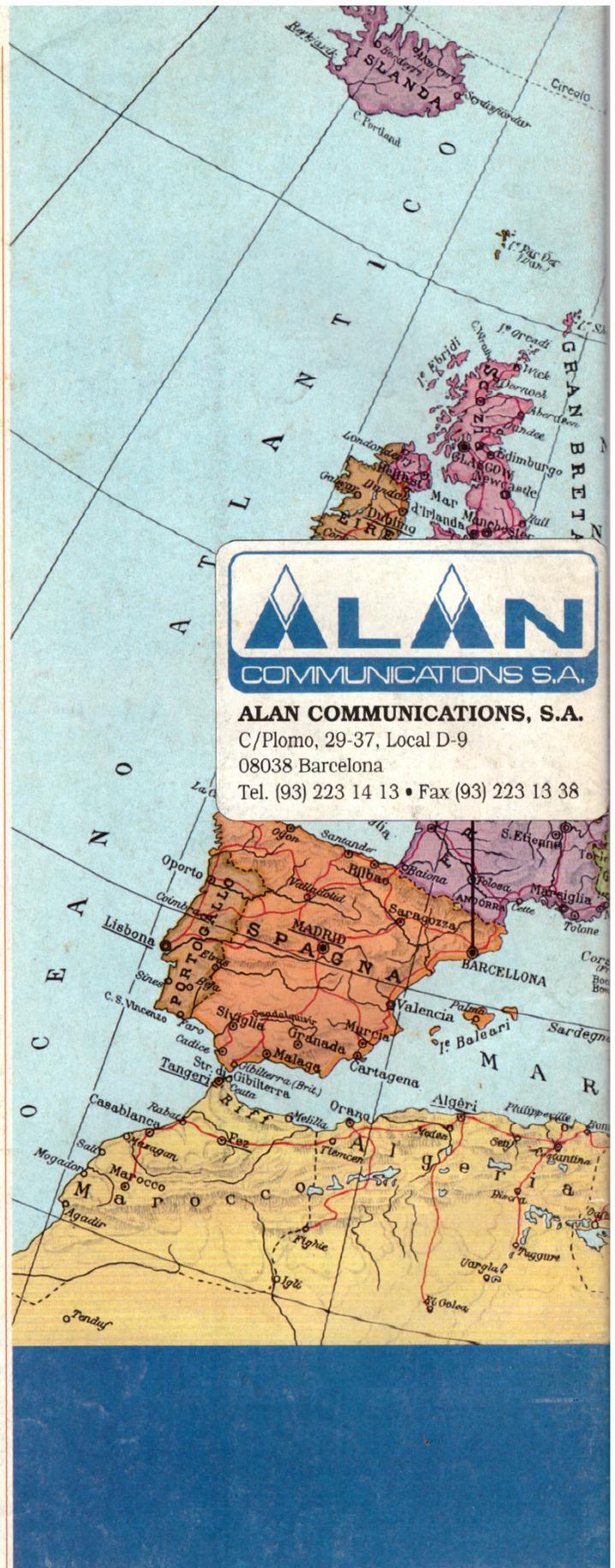
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code F 465	Model VL22S	87,5
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BROADCASTING SYSTEMS

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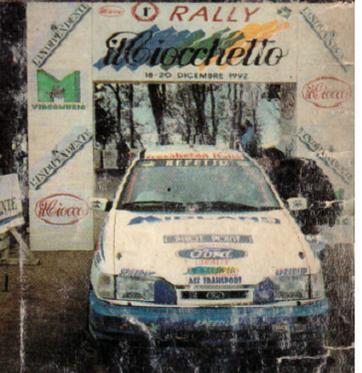
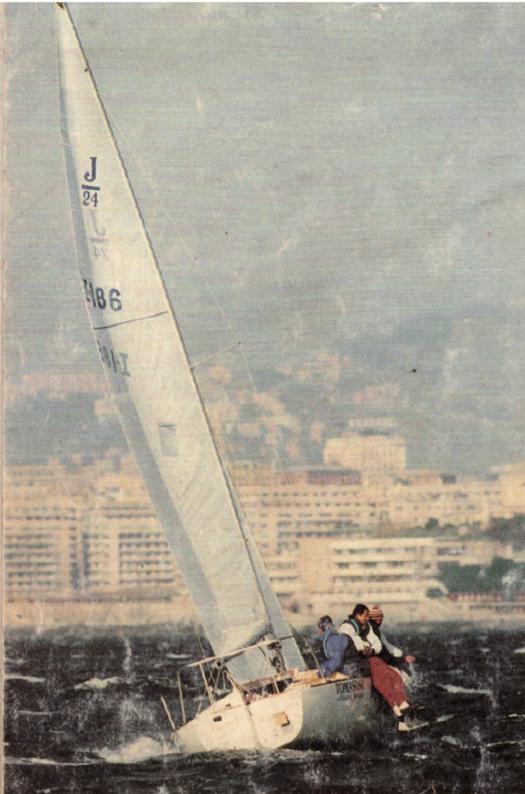


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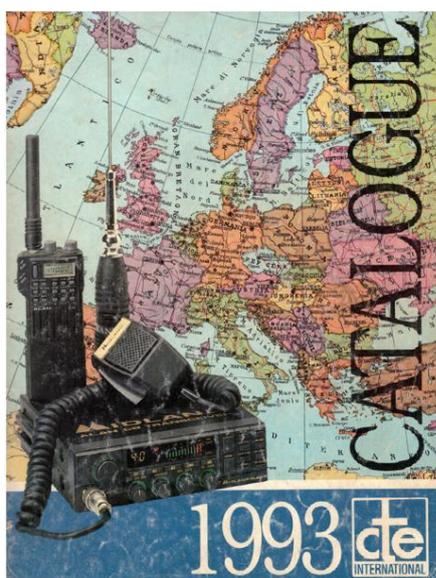
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Espero que seja útil, principalmente para a nossa comunidade retrô, garantindo assim a possibilidade de que mais pessoas possam conhecer os antigos lançamentos em radiocomunicação!



2025

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