

M-495 POWER

POWER SERIES

MULTI-STANDARD PROGRAMMABLE HIGH POWER (-) CB MOBILE TRANSCEIVER

M-495 POWER MULTI-STANDARD PROGRAMMABLE HIGH POWER CB MOBILE TRANSCEIVER

A new series of state-of-the-art CB (27 MHz) mobile transceivers, with advanced software and hardware design, specifically conceived for Citizen Band operators and for car & truck drivers. 10 band programmable multi standard circuit design, matching frequency & operating mode requirements of various countries. The new *POWER SERIES* family of CB radios is based on a new high power MOSFET transmitter circuit, rated at 20W RF maximum (International version) or at 4W RF maximum (European version). This new and exclusive circuit design makes this radio one of the most advanced and sophisticated mobile CB transceiver in the market. One radio only, ready for use in all the European countries !

20W!

TRANSMITTER MAXIMUM
RF OUTPUT POWER (-)
RATED AT 4W MAXIMUM
FOR EUROPEAN VERSION

MULTI-STANDARD
PROGRAMMABLE
TECHNOLOGY

MOSFET
TRANSMITTER



- | | | | | | | | |
|----------|------------|-----------------|---------------------|----------------------|---------------|---------------------|------|
| 10 BANDS | ESP | EXTRA LARGE LCD | ROGER BEEP | ANL | RF GAIN | MIC GAIN | PA |
| SCAN | LOCAL DX | LCR | RX/TX DIGITAL METER | SQUELCH + AS SQUELCH | EMG CH9/19 | QUICK UP QUICK DOWN | LOCK |
| CTCSS | DUAL WATCH | DYNAMIC MIC | NOISE LIMITER | TRUCK CHANNEL | FOUR MEMORIES | FREQUENCY READOUT | |

feature
PACKED
see reverse for full details



INTEK

M-495 POWER

MULTI STANDARD PROGRAMMABLE HIGH POWER CB MOBILE TRANSCEIVER

State-of-the-art CB (27 MHz) high power mobile transceiver, with advanced software & hardware design, specifically conceived for Citizen Band operators and for truck / car drivers

One radio only, ready for use in all the European countries !

- MULTI STANDARD CIRCUIT
- 10 BANDS PROGRAMMABLE
- EXTRA LARGE BACKLIGHTED LCD
- 2nd GENERATION ESP "COMPANDER" RX/TX MODULATION PROCESSOR (COMPRESSOR-EXPANDER)
- FOUR MEMORY CHANNELS
- ONE-TOUCH QUICK ACCESS TO A PROGRAMMABLE "TRUCK" CHANNEL
- 50 CTCSS TONES (FM MODE)
- CHANNEL SCAN
- DUAL WATCH
- DYNAMIC MICROPHONE WITH UP/DOWN AND LOCK KEYS
- AUTOMATIC NOISE LIMITER
- FIXED OR MANUAL SQUELCH
- LOCAL/DX RF ATTENUATOR
- CHANNEL/FREQUENCY READOUT
- QUICK UP / QUICK DOWN KEYS
- PA FUNCTION
- RF GAIN CONTROL
- MIC GAIN CONTROL
- ROGER BEEP TONE
- HIGH POWER MOSFET TRANSMITTER
- EMG
- DIGITAL 10 BAR S/R/F METER

LOC / DX
RF Attenuator to be used in case of very strong signals from local transmitters reduces distortion and intermodulation.

BACKLIGHTED LCD (Display)
Extra large size backlighted LCD provides full information on each enabled function, such as selected band, channel number or full frequency readout, digital bar S/R/F Meter, memory channel or truck channel, operating mode (AM/FM), etc.

ANL
Automatic Noise Limiter reduces electrical and electro-magnetic interferences and noise.

DYNAMIC MICROPHONE
High quality dynamic microphone, with channel UP/DN and Lock keys.

OFF / VOL
OFF / Volume control knob.

AS / SQL
Dual mode fixed or manual squelch control knob.

PA / RF GAIN
RF gain control and PA (Public Address) switch.

Q UP / Q DN
(Quick Up / Quick Down)
Quick channel selection, at each press of the key the channel number moves 10 channels up or down.

MIC GAIN
Mic gain control to set the desired microphone gain.

EMG (Emergency Channel) / CTCSS
One-touch quick access to the preset emergency channel. CTCSS 50 tones key (only for FM mode).

ESP (Speech Processor)
The 2nd generation ESP is a new and exclusive feature. It activates a microprocessor controlled "COMPANDER" (Compressor/ Expander), which compresses modulation in TX mode and expands modulation in RX mode, in order to obtain a stronger and better modulation and audio level.

TRUCK / ROGER BEEP
One-touch access to a programmable "Truck" channel, unique and convenient feature for truck drivers. Roger Beep tone key.

TX / RX & ESP LED
Dual color red/green LED confirms if transceiver is in receiving (green) or transmitting (red) mode. ESP LED confirms when ESP is active.

AM / FM MODE
It selects the operating mode AM/FM (only if allowed by the programmed band).

SCAN
Automatic scanning of channels or memories in use.

LCR
Quick recall of the last used channel.

M1/M2/M3/M4
Four memory channels are programmable and can be quickly recalled.

DW (Dual Watch)
Automatic monitoring of 2 programmed channels.

F (Function)
Function key is used to select function in case of dual-function keys.

CHANNEL
Rotary soft-touch channel knob selects the operating channel.

**MOSFET
TRANSMITTER**

**MULTI STANDARD
PROGRAMMABLE
TECHNOLOGY**

(+) The transmitter RF output power of this transceiver is factory set at 4.0W RF maximum, for all the radios for the European countries (European version), in accordance with the current CE/R&TTE regulations. THIS FACTORY SETTING CANNOT BE MODIFIED BY THE USER !

SPECIFICATIONS

| GENERAL | |
|------------------|--------------------------|
| Channels | Refer to programmed band |
| Modes (AM, FM) | Refer to programmed band |
| Operating Temp. | -10°/+55°C |
| DC Input Voltage | 13.2Vdc ±15% |
| Size | 153 x 50 x 210 mm |
| Weight | 1 kg |



| RECEIVER | |
|--------------------|--------------------------|
| System | CPU Contr. 2 Conv. S. H. |
| Sensitivity AM/FM | 0.5µV for 20dB SINAD |
| Audio Output Power | @10% THD 2.5W at 8 Ohm |
| Current Drain | 250mA (stand-by) |

| TRANSMITTER | |
|------------------|---|
| System | CPU Contr. Synthesizer |
| Max Output Power | 4W at 13.2Vdc |
| Modulation | AM (from 85% to 95%) FM (1.8 KHz ±0.2 KHz) |
| Output Impedance | 50 Ohm unbalanced |
| Current Drain | 1100 mA (at no modulation) |

| FREQUENCY BAND / MODE PROGRAM | |
|-------------------------------|---------------------------------|
| CE | CEPT 40CH FM 4W (DEFAULT) |
| I0 | ITALY 40CH AM / FM 4W |
| I2 | ITALY 36CH AM / FM 4W |
| DE | GERMANY 80CH FM 4W / 12CH AM 1W |
| D2 | GERMANY 40CH FM 4W / 12CH AM 1W |
| EU | EUROPE 40CH FM 4W / 40CH AM 1W |
| SP | SPAIN 40CH AM / FM 4W |
| FR | FRANCE 40CH FM 4W / 40CH AM 1W |
| UK | ENGLAND 40CH + CEPT 40CH FM 4W |
| PL | POLAND 40CH AM / FM 4W (-5 KHz) |



This radio includes the new 2nd generation ESP "COMPANDER". The meaning of "COMPANDER" is Compressor-Expander. This CPU controlled audio Speech Processor works as a modulation Compressor in TX and as a modulation Expander in RX. ESP provides a stronger and more clear and readable audio signal. It is a great help in noisy areas and in case of long distance communication and weak signals. The efficiency of ESP is even higher when communicating with another radio having the same ESP system.

IMPORTANT ! The radio is factory programmed on the CE frequency band (CEPT 40CH FM 4W). This product is subject to national restrictions. Before operating this radio, please check that the frequency band has been correctly programmed according to the country where radio is used.

TWO VERSIONS AVAILABLE :
INTEK M-495/CE POWER
 CE/R&TTE VERSION (4.0W MAX. TRANSMITTER POWER)
INTEK M-495/RU POWER
 INTERNATIONAL VERSION (20.0W MAX. TRANSMITTER POWER)



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MADE IN THAILAND

INTEK