

# M-550 POWER

# POWER SERIES

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

### M-550 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. 8 bands 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 12W 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 !

12W!

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

MULTI-STANDARD  
PROGRAMMABLE  
TECHNOLOGY

MOSFET  
TRANSMITTER



- 8 BANDS
- AM/FM
- ROGER BEEP
- NOISE LIMITER
- PA
- LOCK
- EMG CH9/19
- RF GAIN
- MIC GAIN
- QUICK UP/DN
- ANALOGUE METER
- ROTARY CH SWITCH
- ECHO (1)
- MOSFET TRANSMITTER
- ELECTRET MIC

feature  
**PACKED**  
see reverse for full details



**INTEK**

# M-550 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 !

## Main features :

- MULTI STANDARD CIRCUIT DESIGN
- 8 BANDS PROGRAMMABLE
- ANALOGUE S/R/F METER
- RF GAIN CONTROL
- MIC GAIN CONTROL
- HIGH POWER MOSFET TRANSMITTER
- ROGER BEEP TONE
- ECHO (WITH OPTIONAL ECHO CARD)
- CH9 / CH19
- ANL (AUTOMATIC NOISE LIMITER)
- PA (PUBLIC ADDRESS)
- QUICK UP / QUICK DOWN KEYS
- LOCK
- HIGH QUALITY MICROPHONE WITH 6-PIN RING CONNECTOR
- OPTIONAL DIN SIZE CAR MOUNT

**MULTI-STANDARD  
PROGRAMMABLE  
TECHNOLOGY**

**MOSFET  
TRANSMITTER**

**ANALOGUE S/R/F METER**  
Traditional analogue meter for precise reading of receiving signal strength and transmitter power.

**CH9 / CH19**  
Three position switch selects the two emergency channels (CH9 or CH19) or the normal operating channels.

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

**TX LED**  
Red LED confirms if transceiver is in transmitting mode.

**ANL LED**  
Green LED confirms if ANL is active.

**R. BEEP LED**  
Green LED confirms if Roger Beep function is active.

**ECHO LED**  
Green LED confirms if Echo function is active.

**MICROPHONE CONNECTOR**  
High quality condenser microphone, with channel UP/DN and Lock keys.

**OFF / VOL**  
OFF / Volume control knob.



**ELECTRET MICROPHONE**  
with UP/DN and LOCK keys



**PA / SQL**  
Squelch control knob and PA (Public Address) switch.

**ANL**  
Automatic Noise Limiter reduces electrical and electromagnetic interferences and noise.

**RF GAIN**  
RF gain control to set the desired receiver gain.

**ROGER BEEP**  
This key will activate the Roger Beep tone function.

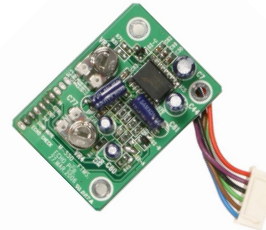
**MIC GAIN**  
Mic gain control to set the desired microphone gain.

**DISPLAY LED display**  
shows the selected band code and the operating channel number.

**ECHO**  
This key will activate the Echo function (if the optional Echo card is installed).

**CHANNEL**  
Rotary mechanical channel switch selects the operating channel.

**ECHO-550P (ECHO CARD)**  
Optional ECHO card, can be very easily installed and connected to the main board through a plug-in connector. Electronic ECHO function, with adjustable ECHO level and ECHO repeat rate.



(1) The ECHO function can be enabled only if the optional ECHO card (model ECHO-550P) has been installed.

## 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(L) x 50(H) x 190(D) mm  
Weight 940 gr.

### RECEIVER

System CPU Controlled Double Conversion Super Heterodyne  
IF 1° 10.695 MHz / 2° 455 KHz  
Sensitivity 0.5µV for 20dB SINAD (FM)  
0.5µV for 20dB SINAD (AM)  
Audio Output Power @10% THD 2.5W at 8 Ohm  
Audio Distorsion <8% at 1 KHz  
Image Rejection 65dB  
Adjacent Ch. Rej. 65dB  
Signal/Noise Ratio 45dB  
Current Drain 400mA (stand-by)

### TRANSMITTER

System CPU Controlled PLL Synthesizer  
Max Output Power 4W at 13.2Vdc  
Modulation AM (from 85% to 95%)  
FM (1.8 KHz ±0.2 KHz)  
Output Impedanced 50 Ohm unbalanced  
Current Drain 1500 mA (at no modulation)

(\*) The transmitter RF output power 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. The transmitter RF output power is factory set at 12.0W RF maximum, for all the radios for other countries (International version). THESE FACTORY SETTINGS CANNOT BE MODIFIED BY THE USER !

**mitsubishi RF Power MOS FET RD16HHF1**  
RoHS Compliance, Silicon MOSFET Power Transistor 30MHz, 16W

### FREQUENCY BAND / MODE PROGRAM (EUROPEAN VERSION)

01	ITALY 40CH AM / FM 4W	05	EUROPE 40CH FM 4W / 40CH AM 1W
	SPAIN 40CH AM / FM 4W		FRANCE 40CH FM 4W / 40CH AM 1W
02	ITALY 36CH AM / FM 4W	06	CEPT 40CH FM 4W (DEFAULT)
03	GERMANY 80CH FM 4W / 12CH AM 1W	07	ENGLAND 40CH + CEPT 40CH FM 4W
04	GERMANY 40CH FM 4W / 12CH AM 1W	08	POLAND 40CH AM / FM 4W (-5 KHz)

**IMPORTANT !** All radios for the European countries (European version) have been factory pre-programmed on the CE frequency band 06 (CEPT 40CH FM 4W). This product is subject to national restrictions. Before operating the radio, please check that the frequency band has been correctly programmed according to the regulations of the country where radio is used. Please read carefully the instruction manual before using this product.

E. & O. E.



RECOMMENDED BY INTEK !



LEADER IN CB 27 MHz  
CAR & TRUCK MOBILE ANTENNA



CE 0678 CH



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