

# **RM-03N**

## **Professional VHF/UHF Vehicle Transceiver**



- **250 programmable memorized channels + CALL channel with alphanumeric channel name tag**
- **5 tone/ 2 tone/ DTMF signaling**
- **Compander to reduce noise**
- **CTCSS/DCS group scan**
- **Car alarm and alert**
- **ANI function**

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*What An Excellent Radio!*

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## RM-03N PROFESSIONAL VEHICLE TRANSCEIVER

### SPECIFICATIONS

| General              |                             |
|----------------------|-----------------------------|
| Frequency Range      | 136-174MHz                  |
| Frequency Rate       | 12.5KHz                     |
| Number of Channels   | 250 channels + CALL Channel |
| Antenna Impedance    | 50Ω Imbalance               |
| Frequency Stability  | ±5ppm                       |
| Microphone Impedance | 2 k ohm                     |
| Regulate Voltage     | DC 13.8V ±15% (11.7-18.5)   |
| Current              | Transmit: about 9A          |
|                      | Receive: about 600mA (Max.) |
|                      | 400mA (squench the noise)   |
| Working Temperature  | -10°C ~+60°C(+14° F~+140°F) |
| Grounding            | Negative                    |
| Size                 | 165(W)*43(H)*167(D)mm       |
| Weight               | about 1.2kg                 |

| Transmitter          |                             |
|----------------------|-----------------------------|
| Output Power         | 25W(VHF)                    |
| Modulation           | FM                          |
| Residual Radiation   | 60dB or below               |
| Max. Freq. Deviation | ± 2.5KHz (Narrow band mode) |
| Audio Response       | +1~-3dB                     |

| Receiver        |                              |
|-----------------|------------------------------|
| Circuit         | Double-change Transceiver    |
| Sensitivity     | 0.25uV (12dB SINAD)          |
| IF Frequency    | 1ST: 38.85MHz<br>2ND: 450KHz |
| Audio Power     | Max.4.0 W (8Ω 5% distortion) |
| Hum Noise       | -45dB @12.5KHz               |
| Intermodulation | 75dB                         |

\* Testing procedure by EIA 603

NOTE: No further advise for changing the specification

### Standard Accessories



Microphone



DTMF Microphone  
(Optional)



DC power cable with  
fuse holder



Mobile installing bracket



Microphone  
mounting hook



Black screws  
(M4\*8mm) 4-pcs



Metal Washer  
4-pcs



Tapping Screws  
(M5\*20mm) 4-pcs



Hexagonal nut  
(M5) 4-pcs



Spared Fuse  
2-pcs

