

iRIM - Intelligent Radio Interface Module

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iRIM gives you access to newer radio protocols, and allows you to transition to a variety of proprietary two-way radio technologies. iRIM is compatible with a variety of dispatch consoles, including Zetron's Series 4000, VoIP Radio Dispatch System (RDS), and Acom Advanced Communication System.

The iRIM provides control over PTT, privacy code monitor, channel or talk-group selection, repeat/talk-around, and coded/clear using a console's existing tone-remote control capability. It also allows the dispatcher to see incoming PTT-IDs, Status and Emergency-IDs for consoles capable of decoding and displaying MDC-1200 signaling.

iRIM gives you control over:

- ✓ **Talk Group Select** – Allows you to select outbound talk groups, privacy code monitor, repeat/talk-around, and coded/clear.
- ✓ **PTT-ID** – Provides incoming PTT-IDs so dispatchers can see the source of the incoming call.
- ✓ **Emergency Call Status and ID** – Provides Status and Emergency-IDs for consoles capable of decoding and displaying MDC-1200.
- ✓ **P25 Support** – Allows consoles with tone-remote control to operate on P25 radios.

With iRIM, your console can display incoming FleetSync™ PTT-IDs. It also allows your dispatch equipment to work with trunked or conventional P25 systems, as well as LTR® and PassPort® trunked radio systems.

iRIM-compatible mobile radios:

- ✓ Kenwood TK-x180
- ✓ Kenwood TK-5710/5810

- ✓ Kenwood NX 700/800
- ✓ EF Johnson RS5300 and compatible variants

Radio-signalling technologies iRIM supports:

- ✓ NXDN/Kenwood NEXEDGE™*
- ✓ Kenwood Fleetsync
- ✓ EF Johnson LTR
- ✓ APCO Project 25 (P25)
- ✓ Trident PassPort
- ✓ Motorola ASTRO

At www.communication.com Motorola SmartNet®/SmartZone®

SPECIFICATIONS

| PHYSICAL / ENVIRONMENTAL | | RADIO FIRMWARE COMPATIBILITY | |
|-----------------------------------|--|-------------------------------------|--|
| Size / Weight: | 1.5 x 7.75 x 10.25 inches (HxWxD), 1.9 pounds (1.75 x 19.0 x 10.25 in | EF Johnson RS-5300: | Version 2.2.2 and 4.10.13. Remote control-head cable option required |
| Temperature: | 5° to 55° C (41° to 131°F) | | |
| Power: | 13.5 VDC (10.5 - 16 VDC) @ 1A (initial power-on surge exceeds 2A) | Kenwood TK-x80: | Version 2.2 checksum CFB8. KCT-19 cable option and R24/R94 PCB jumper modifications required |
| Electrical 4-Wire Freq. Response: | 300 Hz to 3400 Hz +1/-3 dB, except for TRC guard tone notch | Kenwood TK-x180: | Version 1.17, checksum 4-FD7 |
| 4-Wire Line Balance: | 60 dB @ 1004 Hz | Kenwood TK-5x10: | Version F4.32.00 for conventional operation Version T4.25.00 for trunking operation |
| 4-Wire Impedance: | 600 ohms nominal | Kenwood NX-700/800: | Version 1.07.00 |
| 4-Wire Level Range: | Rx: -35 to +10 dBm. Tx: -35 to +10 dBm | | |
| TRC Decoding: | Compliant with TIA 102.BAHA Section 7, and TIA 102.CADA Annex D except that the iRIM requires 2175 Hz guard tone frequency | | |
| Ethernet: | IPv4, 10-base T, RJ-45 connector. HTTP compatible with Microsoft Internet Explorer 6 or later | | |