



## Accessory



ZB-Pro 2.4GHz Zigbee Network  
Management Tool

## RTI Control System



## ZM-24 2.4GHz Transceiver Module

The ZM-24 transceiver module provides bi-directional communication between two-way enabled RTI remote controls and control processors utilizing Zigbee® wireless communication. Capable of being configured in two different modes, the ZM-24 can be hard-wired directly to a control processor or be used as a wireless repeater device to create an ultra-reliable, self-healing “mesh” network.

Utilizing the latest in wireless technology, the ZM-24 2.4GHz Transceiver Module is capable of more than just receiving signals - it can transmit signals as well. This creates a bi-directional communication link between Zigbee® enabled RTI control processors and handheld remote controls. Feedback, such as song meta-data or volume level from supported devices can now be viewed on the remote control.

The ZM-24 is easy to install, since only one module needs to be hard-wired to the control processor. This device becomes the “coordinator”, while additional “repeater” modules can be added by simply powering them from any electrical outlet within communication range of other modules. The ZM-24 units will then create a self-healing “mesh” network which adapts to changes or problems with the communication path.

## Key Features

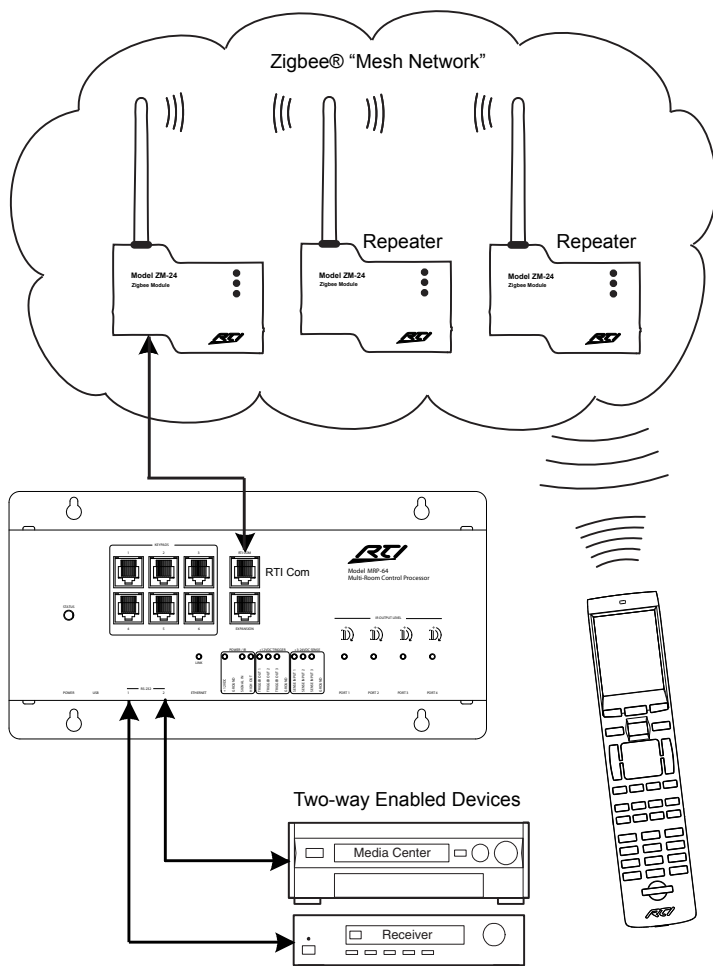
- Enables bi-directional Zigbee® communication.
- Wireless Zigbee® communication range between ZM-24 modules up to 100 feet.
- Connects to a central processor from up to 1000 feet away using standard Cat5 cable.
- Can be connected directly to compatible RTI control processors or create a self-healing mesh network by adding modules configured in “repeater” mode.
- Utilizes IEEE802.15.4 wireless Zigbee® communication at 2.4Ghz.
- Durable plastic enclosure and adjustable antenna.
- Receives power from an RTI control processor or from the included power supply.
- Easy mounting with a detachable wall bracket.

## Specifications

Power.....+9VDC to +16VDC, 60mA  
 RTI Com Port..... Two-way Zigbee® Communication Port, RJ45 Connection  
 ..... Drives up to 1000 ft (300 m) of wire  
 Wireless Networking..... IEEE802.15.4 Zigbee® network compliant  
 RF Frequency Range ..... 2.4Ghz - 2.5Ghz  
 Operating Temperature..... +32°F to +122°F (0°C to +50°C)  
 Operating Humidity..... 5% to 95% Non-condensing  
 Device Capability..... Total number of devices is limited only by memory  
 Communications..... OTA (Over-the-air) Programmable  
 Enclosure..... High-impact molded ABS plastic, black  
 Mounting..... Detachable bracket  
 Dimensions - Antenna Flat (WxHxD)..... 3.5" (89mm) x 4.0" (101mm) x 1.1" (28mm)  
 Dimensions - Antenna Extend. (WxHxD).. 3.5" (89mm) x 7.25" (184mm) x 1.1" (28mm)  
 Weight ..... 4 oz (113g)  
 Warranty..... Three Year (Parts & Labor)

All specifications subject to change without notice

## Installation Diagram



## RTI User Interfaces

Remote Controls  
 Keypads  
 Audio Control Keypads  
 In-Wall Touchpanels  
 Tabletop Touchpanels  
 Mobile Apps



## RTI Control Accessories

Control Processors  
 System Kits  
 RS-232 Modules  
 IR Modules  
 Relay Modules  
 Z-Wave Modules



## RTI Audio/Video Distribution

HDMI Splitters & Switches  
 HDMI Matrix Switches  
 HDBaseT Matrix Switches  
 HDBaseT Extenders  
 Presentation Switches  
 Video over IP Transceivers



It's Under Control®

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