



Zigbee Transceiver Module

ZM-24

SKU: 11434 UPC: 810065000000

The ZM-24 2.4GHz Zigbee Transceiver Module provides bi-directional communication between two-way enabled RTI remote controls and control processors utilizing Zigbee wireless communication. Capable of being hard-wired directly to a control processor or be used as a wireless repeater device to create an ultra-reliable, self-healing Zigbee network.

Utilizing the latest in wireless technology, the ZM-24 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. 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.

NOTE: A 2.4 GHz Zigbee enabled remote control and processor must be used with this model of transceiver. It is not compatible with the 433MHz remote controls.

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.
- 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.
- Durable plastic enclosure and adjustable antenna.
- Easy mounting with a detachable wall bracket.

SPECIFICATIONS:	
Power Requirements	+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 Carrier Frequency	2.4 Ghz - 2.5 Ghz
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

Module Dimensions - Antenna Extended	3.5 In x 7.5 In x 1.1 In (89mm x 184mm x 28mm)
Weight	4.4 oz. (125 grams)
	* All specifications subject to change without notice.