# MRP-64

## Key Features

• Expands virtually any home theater/multi-zone receiver into a distributed audio system.

• Six keypad inputs to provide power and communication.

• Two RS-232 ports for bi-directional communication.

• Compatible with RTI ZM-24 Zigbee® Transceiver Module for two-way communication.

• Preprogrammed RS-232 drivers for popular multi-zone receivers.

• Three programmable 12VDC trigger outputs.

• Three assignable voltage sense inputs.

• IR input for IR pass-through or control.

• Four addressable IR emitter ports are compatible with industry standard IR emitters and repeater systems.

• One addressable high IR output for connecting additional IR connecting block/emitters.

• All output ports incorporate both short-circuit and overload protection.

• Variable power on all IR output ports.

• Programmed using Integration Designer® software.

• Non-volatile Flash memory stores your system configuration even when power is not present.

• USB and Ethernet programming.

# MRP-64
# Multi-Room Control Processor

The MRP-64 embraces a new concept in distributed audio by acting as the interface between today's multi-zone audio/video receiver and an assortment of RTI in-wall and handheld controllers. Never before has such a robust distributed audio system been possible at such an affordable price. The MRP-64 allows the homeowner to take full advantage of the multi-zone features built into their surround receiver – expanding the entertainment beyond the media room. With the MRP-64 all of the audio/video sources from the media room can now be accessed anywhere in the home with the simple touch of a button.

## Description

The MRP-64 is a powerhouse of control in a small package. Loaded with features, the MRP-64 has six keypad ports for RTI In-wall controllers, four independent IR output ports, three voltage trigger outputs, three voltage sense inputs and an IR signal input. The MRP-64 also comes equipped with advanced features such as an Ethernet port for control and programming, two-way RS-232 communication, support for Zigbee® wireless communication, and other expansion capabilities. An IR input insures compatibility with all RTI in-wall and handheld controllers as well as industry standard IR repeater systems. No special programming is necessary since the bi-directional RS-232 drivers are preprogrammed and developed as part of RTI's Integration Partner Program.
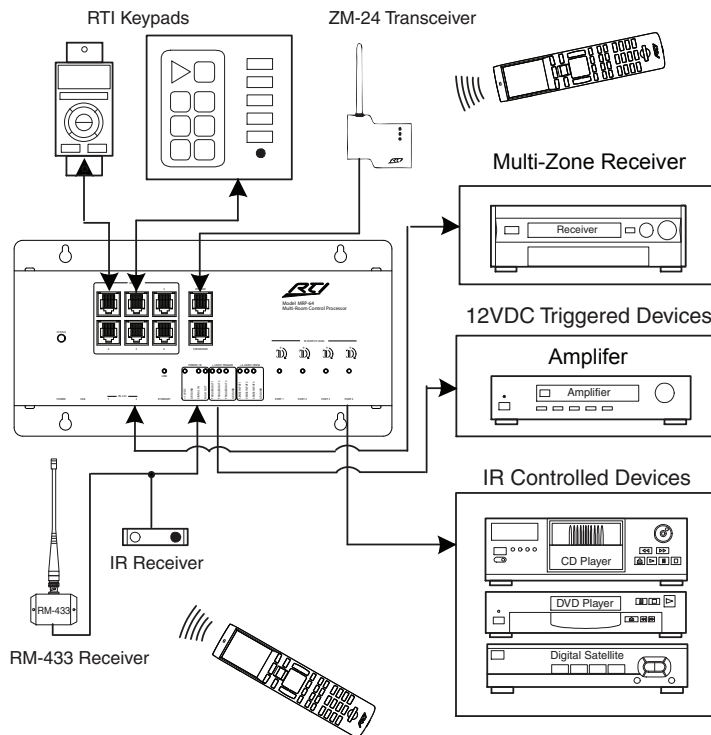
**Call 952-253-3100**

www.rticorp.com

It's Under Control ®

## Specifications

Power Supply .............................................................................................. +12V DC, 4A

IR Output Ports................................................................................Four 3.5mm jacks

............................................................... Compatible with industry standard IR emitters

IR Output Drive..................................................100mA maximum (per port, adjustable)

...............................................................................200mA maximum (high IR output port)

Infrared Frequency Transmission Range ................................................ 15kHz - 460kHz

Infrared Input ......................Compatible with industry-standard repeaters and receivers

Trigger Outputs .......................................................... Three, 12 VDC, 100mA max each

Sense Inputs................................................................................................Three, 3-24VDC

RS-232 Ports .......................................................Two, Bi-directional RJ45 Connections

Ethernet Port ............................................................... 10/100Base-T, RJ45 Connection

USB Ports...............................................................................................1 Programming

Control Port ..........................................................RS-485 / IR / Pwr, RJ45 Connection

RTI Com Port........................Two-way Zigbee® Communication Port, RJ45 Connection

Keypad Ports ...............................................................................Six, RS-485 / IR/ Pwr

Mounting..........................................................................Wall-mount or free standing

Dimensions (W x H x D) ...........................  8.2" (208mm) x 1.3" (33mm) x 5.2" (132mm)

Weight  ................................................................................................... 2 lb.  (907g)

Warranty ................................................................................. One Year (Parts & Labor)

 *All specifications subject to change without notice*

## Installation Diagram

RTI Keypads          ZM-24 Transceiver

Multi-Zone Receiver

Receiver

Model MRP-64
Multi-Room Control Processor

12VDC Triggered Devices

Amplifer

Amplifier

IR Controlled Devices

CD Player

DVD Player

Digital Satellite

IR Receiver

RM-433

RM-433 Receiver

## Accessories

| RM-433 | RF Receiver |
| ZM-24 | 2.4GHz Zigbee® Transceiver Module |
| ECB-5 | IR Emitter Connecting Block |
| CB-8 | Touchpanel Connecting Block |
| RCM-12 | Relay Control Module |

## Other RTI Products

| T1-B | Universal System Controller |
| M2 | Universal System Controller |
| T2-B | Universal System Controller |
| T2-Cs | Universal System Controller |
| T2-C | Universal System Controller |
| T3-V | Universal System Controller |
| T4 | Universal System Controller |
| U1 | Weather Resistant Controller |
| U2 | Weather Resistant Controller |
| RKM-1 | In-Wall Multi-room Audio Keypad |
| RK1 | In-Wall Keypad Controller |
| RK2 | In-Wall Touchscreen Controller |
| RK3-V | In-Wall Touchscreen Controller |
| K4 | In-Wall Touchscreen Controller |

Integration Designer® Programming Software

RTI

It's Under Control®