It's Under Control®

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received including interference that may cause undesired operation.

N27917

DECLARATION OF CONFORMITY (DOC)

The Declaration of Conformity for this product can be found on the RTI website at: www.rticorp.com/declaration

Limited Warranty

RTI warrants its products for a period of three (3) years (one year for included battery packs); or for a period of time compliant with local laws when applicable from the date of purchase from RTI or an authorized RTI distributor.

This warranty may be enforced by the original purchaser and subsequent owners during the warranty period, so long as the original dated sales receipt or other proof of warranty coverage is presented when warranty service is required.

Except as specified below, this warranty covers all defects in material and workmanship in this product. The following are not covered by the warranty:

Damage resulting from:

1. Accident, misuse, abuse, or neglect.
2. Failure to follow instructions contained in this Guide.
3. Repair or attempted repair by anyone other than Remote Technologies Incorporated.
4. Failure to perform recommended periodic maintenance.
5. Causes other than product defects, including lack of skill, competence or experience of user.
6. Shipment of this product (claims must be made to the carrier).
7. Being altered or which the serial number has been defaced, modified or removed.

Safety Suggestions

Read and Follow Instructions. Read all safety and operating instructions before operating the unit.

Retain Instructions. Keep the safety and operating instructions for future reference.

Heed Warnings. Adhere to all warnings on the unit and in the operating instructions.

Heat. Keep the unit away from heat sources such as radiators, heat registers, stoves, etc., including amplifiers that produce heat.

Power Sources. Connect the unit only to a power supply of the type described in the operating instructions, or as marked on the unit.

Water and Moisture. Do not use the unit near water—for example, near a sink, in a wet basement, near a swimming pool, near an open window, etc.
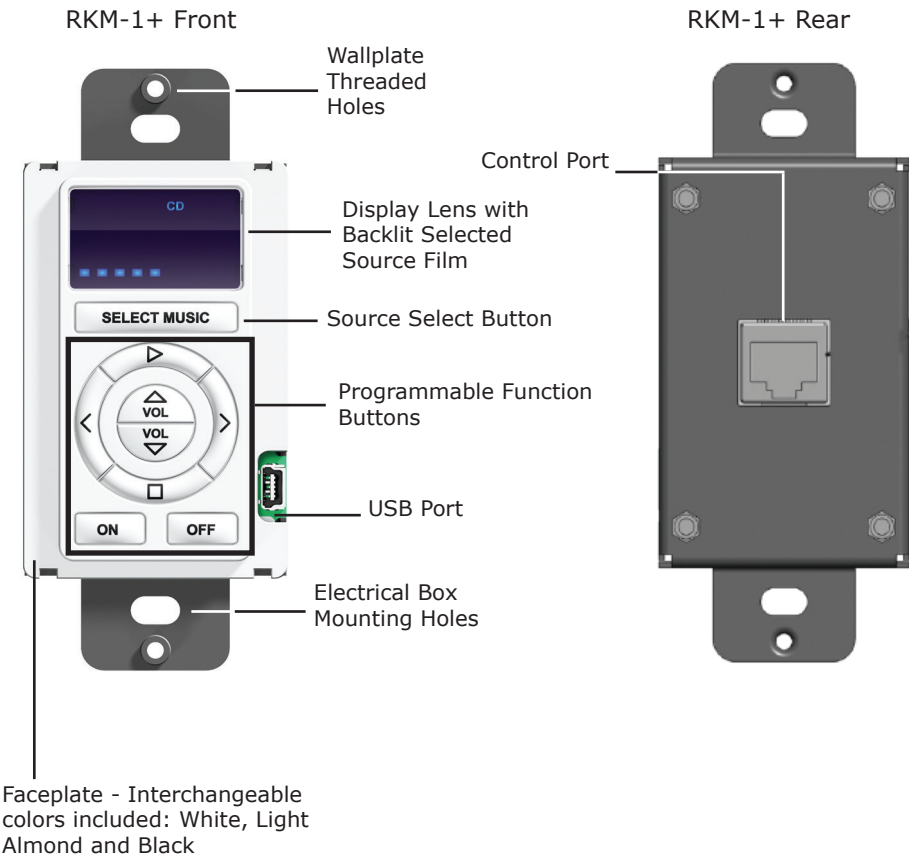
Object and Liquid Entry. Do not allow objects to fall or liquids to be spilled into the enclosure through openings.

Servicing. Do not attempt any service beyond that described in the operating instructions. Refer all other service needs to qualified service personnel.

Damage Requiring Service. The unit should be serviced by qualified service personnel when:

- Objects have fallen or liquid has been spilled into the unit.
- The unit has been exposed to rain.
- The unit does not appear to operate normally or exhibits a marked change in performance.
- The unit has been dropped or the enclosure has been damaged.

Contacting RTI

For news about the latest updates, new product information, and new accessories, please visit our web site at:

www.rticorp.com

For general information, you can contact RTI at:

Remote Technologies Incorporated
5775 12th Ave. E Suite 180
Shakopee, MN 55379
Tel. (952) 253-3100
Fax (952) 253-3131
info@rticorp.com

RKM-1+
Multi-Room Audio Keypad

Reference Guide

RKM-1+ Front

RKM-1+ Rear

- Wallplate Threaded Holes
- Display Lens with Backlit Selected Source Film
- Source Select Button
- Programmable Function Buttons
- USB Port
- Electrical Box Mounting Holes
- Control Port

Faceplate - Interchangeable colors included: White, Light Almond and Black

Key Features

The RKM-1+ audio keypad is designed for multi-room audio control, and provides the flexibility to control almost any multi-zone receiver or distributed audio system.

The RKM-1+ provides superior quality and these specific features:
- Provides feedback from multi-zone receivers via any RTI XP series control processor.
- Includes interchangeable white, black, and light almond wallplates and function buttons.
- Non-volatile Flash memory stores system configuration even when power is lost.
- IR output port drives up to 1000 feet of wire for standalone control.
- Field upgradable firmware.
- USB programming.
- Eight (8) fully programmable hard buttons.
- Interchangeable LED backlit films.
- LED backlit films provide feedback of power status, selected source, and volume level.
- Use any standard Decora® type wallplate.

    (Decora® is a registered trademark of Leviton Manufacturing Co. Inc.)

Installation & Operation

Mounting
The RKM-1+ is designed for flush-mount installations in walls or cabinets. It requires an available mounting depth of 1.5 inches (38mm) including cables, from the front surface of the wall. RTI recommends that the RKM-1+ be mounted in a single-gang electrical box or mud ring.
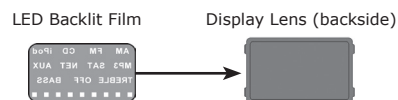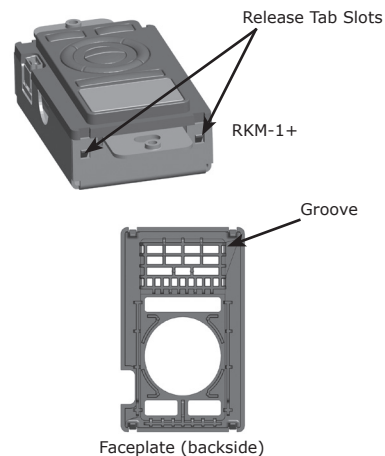
Power
The RKM-1+ is turned on simply by applying power to it either via a connecting block (e.g. the RTI CB-8) or other power supply (9VDC - 16VDC, 350 mA), such as an RTI PS16-1.

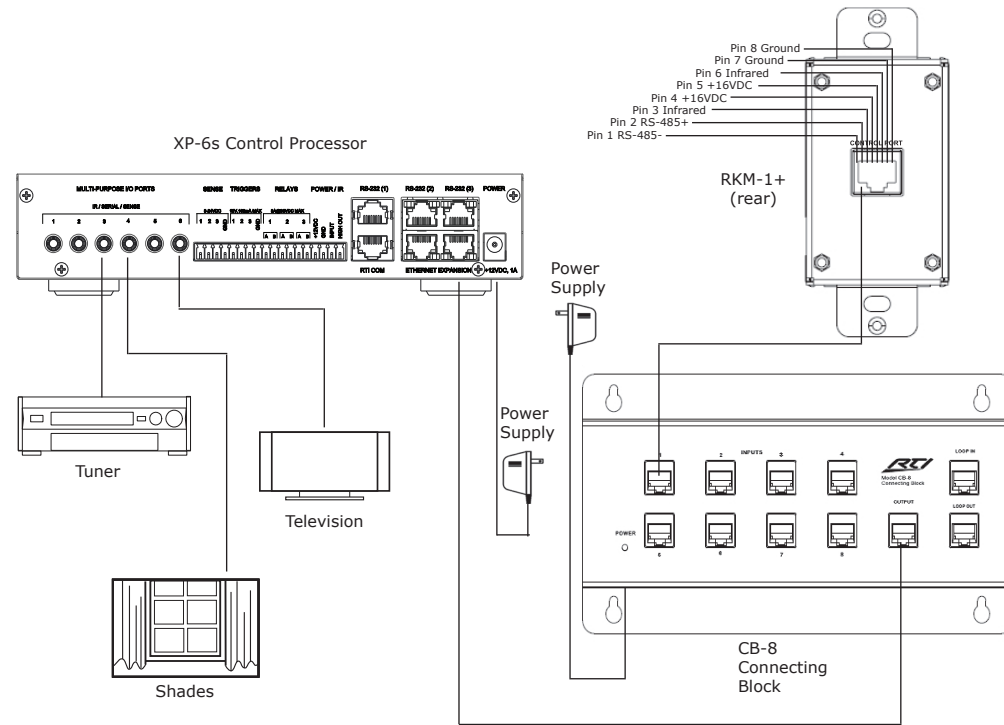**Selected Source Film, Faceplate and Button Installation**
The selected source film is LED backlit and may be changed to more closely match the audio sources that will be controlled. A sheet with ten lens films is included with the RKM-1+, each with different source configurations. Additionally, different colored wallplates and buttons ship with your   RKM-1+, allowing you to further tailor your RKM-1+.

To install the selected source display film and/or change the faceplate and button color:

1) Remove the faceplate by pressing a small flat-head screwdriver into the release tab slots and use your fingers to pry-up and carefully remove the faceplate.
2) Place screwdriver in groove on backside of faceplate and press down to pry display lens off
3) Choose appropriate selected source film and faceplate/button color.
4) Align film inside the raised edge on the backside of the display lens (the letters will appear reversed from backside so that they appear correctly when viewed from frontside).
5) Once aligned, press film firmly in place.
6) Snap display lens back onto faceplate color of your choice, paying attention to correct orientation.
7) If changing keypad buttons, gently slide each button off rubber mold one at a time. Carefully align new buttons and press down until firmly seated.
8) Snap faceplate back onto RKM-1+ enclosure.

Release Tab Slots

RKM-1+

Groove

Faceplate (backside)

LED Backlit Film   Display Lens (backside)

Connection Options

XP-6s Control Processor

Pin 8 Ground
Pin 7 Ground
Pin 6 Infrared
Pin 5 +16VDC
Pin 4 +16VDC
Pin 3 Infrared
Pin 2 RS-485+
Pin 1 RS-485-

RKM-1+
(rear)

Power
Supply

Tuner

Television

Power
Supply

Shades

CB-8
Connecting
Block

Cleaning

Occasional cleaning may be required, depending on use. To clean your RKM-1+, lightly dampen a lint-free cloth with a glass cleaner or mild detergent, and wipe the buttons, surrounding bezel, and wallplate.

Service & Support

If you are encountering any problems or have a question about your RTI product, please contact RTI Technical Support for assistance (see the Contacting RTI section of this guide for contact details).

RTI provides technical support by telephone or e-mail. For the highest quality service, please have the following information ready, or provide it in your e-mail.

- Your Name
- Company Name
- Telephone Number
- E-mail Address
- Product model and serial number (if applicable)

If you are having a problem with hardware, please note the equipment in your system, a description of the problem, and any troubleshooting you have already tried.

If you are having a problem with software, please note what version you have installed, the operating system on your PC, a description of the problem, and any troubleshooting you have already tried. If you are calling about a software or programming question or problem, please be at you computer when you place your call. This will considerably speed up the troubleshooting process.

Please do not return products to RTI without return authorization.