

T1-B+

Remote Control

Reference Guide

The T1-B+ is the third generation of RTI's popular T1 universal system controller, now featuring the RTI dual RF platform and backlit buttons. The T1-B+ allows all other factory remote controls to be combined into one simple, ergonomic user interface providing powerful one-handed system control. Featuring a sleek new industrial design and perfect assortment of keypad buttons for commonly used functions, the T1-B+ can operate today's sophisticated media system, no matter how complex, at an affordable price.

Key Features

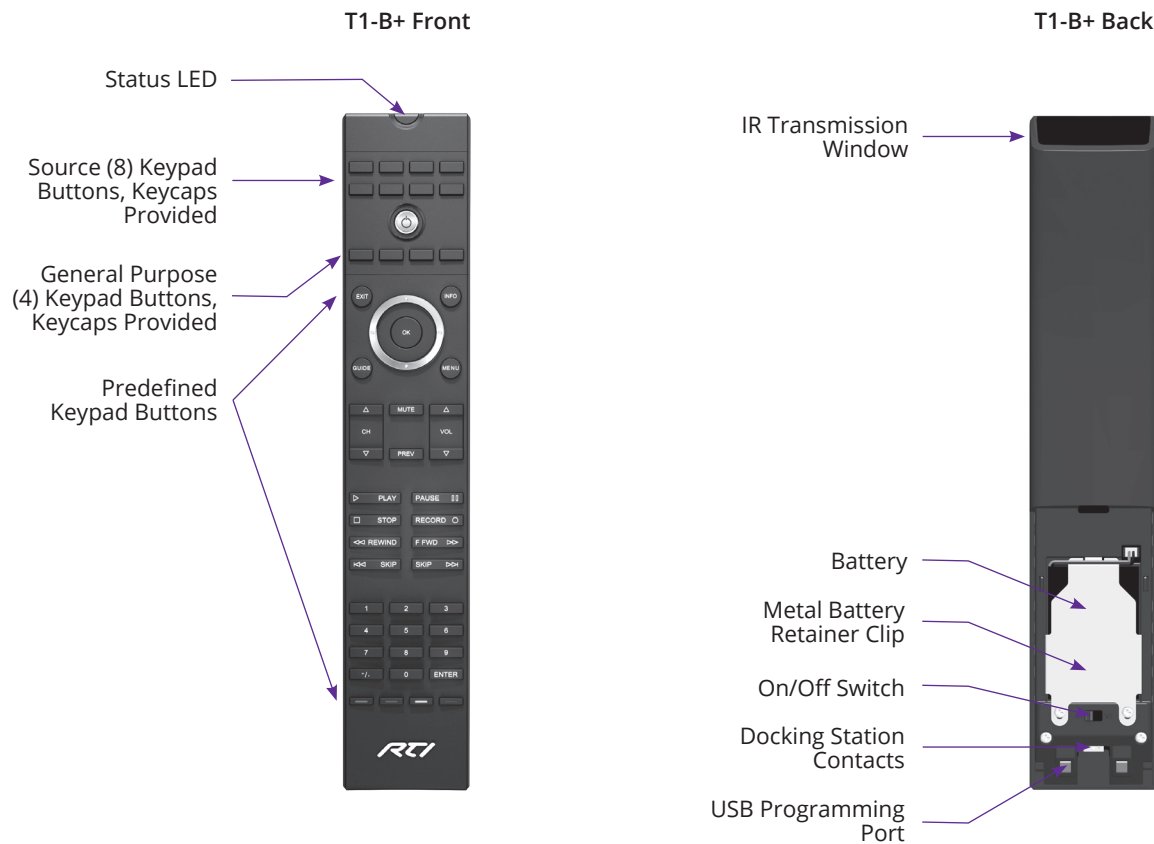
- Dual RF transmission capability uses 433MHz and 2.4GHz (utilizing Zigbee® technology).
- Comfortable ergonomic design permits effortless, one-handed operation.
- Tilt switch can automatically turn on the backlight when picked up.
- Eight source and four general purpose assignable/programmable keypad buttons with interchangeable key labels - Laser Shark compatible.
- FREE Laser Engraving for custom text and graphics. Use device's serial number for order code in the Laser Shark Software.
- Supports "Companion Mode" (similar to SURFiR®) for use with the RTIPanel app.
- Forty assignable/programmable keypad buttons.
- Transmits IR and RF (or both -on a single button press!).
- System includes a Lithium-Ion battery and docking station.
- Extremely wide IR transmitting frequency range.
- Optional 'Voltage' and 'Video' sensing modules to monitor power status of equipment when used with certain RTI processors.
- Non-volatile Flash memory stores your system configuration even when power is not present.
- Field upgradable firmware.
- USB Programming.



Product Contents

- T1-B+
- Docking Station
- Power Supply (5V, 2A),
- Interchangeable Keycap Trees (2)
- Wall Mount Bracket (1)
- Screws and Drywall Anchors (2) for Wall Mount Bracket
- Free Laser Shark Engraving for one (1) Keycap Set

Overview



Powering On/Off the T1-B+

A power on/off switch is located under the battery access door (See overview above).

Power On/Off

1. Remove the battery door from the rear of the remote by applying downward pressure on battery door near battery door seam (pressing down near seam “unlocks” the door latch) and slide the door off.
2. Turn Power On/Off Switch.
3. Slide the battery door onto the remote until it snaps into place.

Charging the T1-B+ Battery

When to Charge the T1-B+

The T1-B+ uses a Lithium-ion rechargeable battery which does not exhibit a memory effect from being charged too often and may be placed into the dock when not in use. A fully discharged battery will take approximately 2-4 hours to completely re-charge.

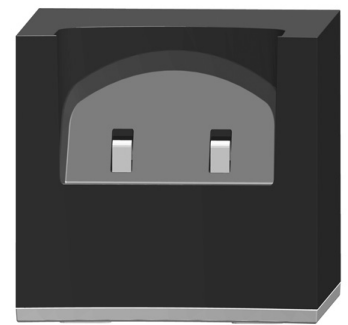
If the T1-B+ battery capacity is reduced to approximately one hour of remaining run-time, the Status LED will illuminate red while the unit is powered-up.

NOTE: Always use official RTI batteries. Using batteries with improper power will void warranty. Batteries available for purchase at www.rticontrol.com.

The T1-B+ Docking Station

The T1-B+ Docking Station can be placed on a flat surface such as a shelf or table, or it can be mounted to a wall using the included mounting bracket.

- The docking station LED illuminates red to indicate a charge in progress.
- The LED will illuminate blue when the battery in the T1-B+ is fully charged or does not need to be charged, unless the backlight dip switch located on the bottom of the docking station is set to the "off" position.

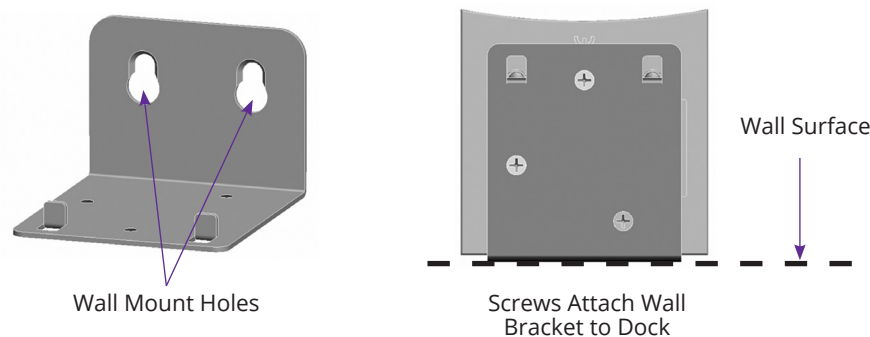


Docking Station Front

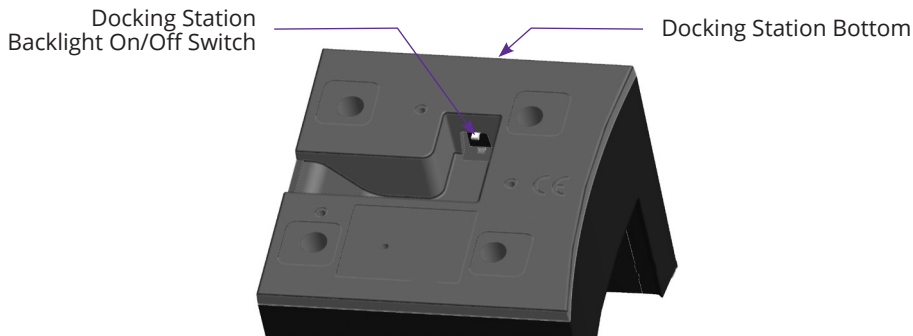
Powering the T1-B+ Docking Station

1. Locate and install the appropriate wall outlet plug on to the power supply.
2. Insert the mini-plug end of the power supply cable into the port located on the underside of the docking station.
3. Plug the power supply cable into a wall outlet.

Docking Station Wall Mount Bracket



Docking Station Backlight On/Off Adjustment

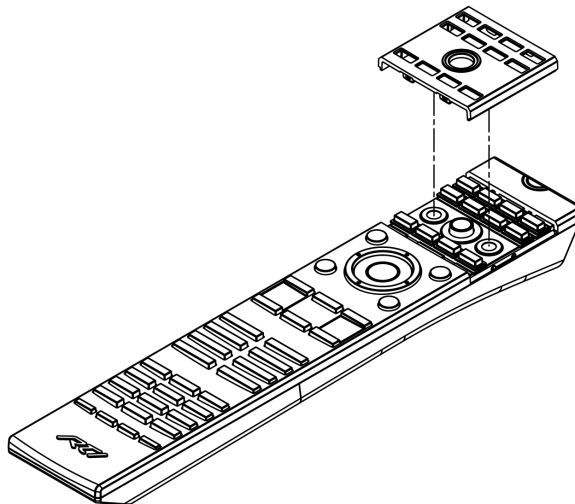


Installing Keycap Labels

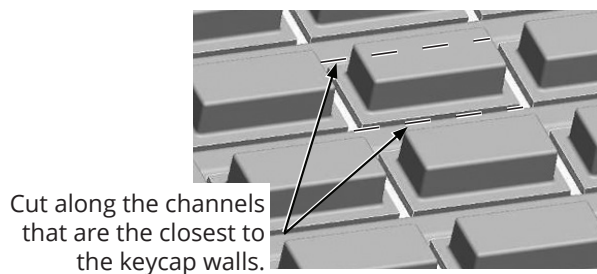
The T1-B+ includes sheets of keycaps that include labelling for sources and functions.

To install the keycap labels:

1. Start by removing the bezel from the T1-B+ by gently prying up on the bezel which is held on by magnets.



2. Using a pair of scissors, individually cut-out the keycaps that will be used.



3. After the keycap is cut out, align it on an empty keycap button.
4. Press down firmly on the keycap until it is firmly seated.
5. When finished applying keycaps, replace the bezel on the T1-B+.

Note: the keycaps can be permanently secured by using an adhesive that bonds to silicon rubber. The following instant adhesive glue works well and is readily available:

Silicon Adhesive: Loctite PRISM® 401 (p/n 40104)

U.S. Resellers: Contact East: # 173-606

McMaster-Carr: # 74765A63

Grainger: # 3KE58

Follow these steps to apply the Loctite #401 adhesive:

1. Apply a thin layer of the adhesive to the entire top surface of the desired keycap button.
2. Press the desired keycap over the button.
3. Press down firmly on the keycap for 15 seconds.
4. Repeat these steps for each keycap on the T1-B+.

Programming the T1-B+s

The T1-B+ remote control is programmed using RTI's Integration Designer® software. Authorized RTI dealers can download Integration Designer® software from the www.rticorp.com dealer section.

A PC running Windows XP or higher, with a USB port is required. The required USB A to Mini B cable is included with the RTI IR-PRO dealer kit.

Note: The T1-B+ will not operate while connected to a PC's USB port. Make sure you disconnect it from the computer to transmit commands. In addition, the T1-B+ will not be able to sync with a computer's USB port while it is transmitting a command or running a macro.

The Source Buttons

The eight source buttons at the top of the T1-B+ keypad may be programmed to run commands or macros in the same way that the other buttons can. In addition, they may be used to select the active source page. If programmed as a "source" button, the rest of the buttons on the keypad will switch to the programming associated with that page. A red LED is illuminated more brightly behind the source button to indicate the active page.

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.

Accessories

Only use attachments/accessories specified by the manufacturer.

Heat

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

Power

Unplug this apparatus during lightning storms or when unused for long periods of time.

Power Sources

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

Power Sources

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

Power Cord Protection

Route power supply cords so that they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to the cord plugs at power receptacles and at the point at which they exit from 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:

- The power supply cord or the plug has been damaged.
- 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.

Cleaning

To clean this product, lightly dampen a lint-free cloth with plain water or a mild detergent and wipe the outer surfaces. **NOTE:** Do not use harsh chemicals as damage to the unit may occur.

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.

Industry Canada Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). 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.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes:

1. Ce dispositif ne peut causer des interférences nuisibles.
2. Cet appareil doit accepter toute interférence reçue y compris des interférences qui peuvent provoquer un fonctionnement indésirable.



Declaration of Conformity (DoC)

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

Contacting RTI, an AVPro Brand

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

For general information, you can contact RTI at:

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Sioux Falls, SD 57104

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Tel. International +1-605-274-6055

RTISupport@avproglobal.com

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).

AVPro provides technical support by telephone or e-mail. For the highest quality service, please have the following information ready:

- 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.

Please do not return products to AVPro without return authorization.

Limited Warranty

AVPro Global Holdings, LLC warrants new products for a period of three (3) years (excluding consumables such as rechargeable batteries which are warranted for one (1) year) from the date of purchase by the original purchaser (end user) directly from AVPro Global Holdings, LLC (herein referred to as "AVPro"), or an authorized AVPro dealer.

Warranty claims may be initiated by an authorized AVPro dealer using the original dated sales receipt or other proof of warranty coverage. In the absence of the receipt of purchase from the original dealer, AVPro will provide warranty coverage extension of six (6) months from the date code of the product. Note: AVPro warranty is limited to the provisions set forth in this policy and does not preclude any other warranties offered by third parties who are solely responsible for those other warranties.

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

- Product purchased via unauthorized sellers or internet sites will not be serviced- regardless of purchase date.
- Damages caused by accident, misuse, abuse, neglect or acts of God.
- Cosmetic damage, including, but not limited to, scratches, dents and normal wear and tear.
- Failure to follow instructions contained in the Product Installation Guide.
- Damages due to products used in an application or environment other than that for which it was

intended, improper installation procedures or adverse environmental factors such as incorrect line voltages, improper wiring, or insufficient ventilation.

- Repair or attempted repair by anyone other than AVPro or authorized service partners.
- Failure to perform recommended periodic maintenance.
- Causes other than product defects, including lack of skill, competence or experience of user.
- Damage due to shipment of this product (claims must be made to the carrier).
- Altered unit or altered serial number: defaced, modified or removed.

AVPro is also not liable for:

- Damages caused by its products or for failure of its products to perform, including any labor costs, lost profits, lost savings, incidental damages, or consequential damages.
- Damages based upon inconvenience, loss of use of the product, loss of time, interrupted operation, commercial loss, any claim made by a third party or made on behalf of a third party.
- Loss of, or damage to, data, computer systems or computer programs.

AVPro's liability for any defective product is limited to repair or replacement of the product, at the sole discretion of AVPro. In cases where the warranty policy conflicts with local laws, the local laws will be adopted.

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