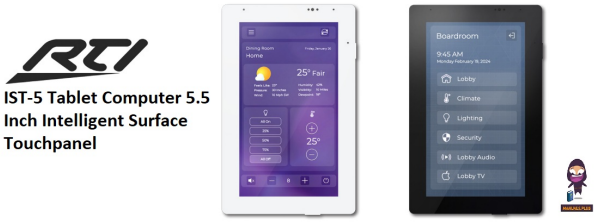


RTI IST-5 Tablet Computer 5.5 Inch Intelligent Surface Touchpanel User Guide

Contents

1 RTI IST-5 Tablet Computer 5.5 Inch Intelligent Surface Touchpanel
2 Specifications
3 Product Information
4 Mounting Instructions
5 Safety Suggestions
6 Key Features
7 Product Contents
8 Overview
9 Mounting Bracket Installation
10 Dimensions
11 Programming
12 Safety Suggestions
13 Cleaning
14 Service & Support
15 Limited Warranty
16 FCC Statement
17 MORE INFORMATION
18 FAQ
19 Documents / Resources
19.1 References

RTI IST-5 Tablet Computer 5.5 Inch Intelligent Surface Touchpanel

Specifications

- **Dimensions:** 84.5mm x 133.0mm x 16.5mm
- **Mounting Depth:** Minimum 34mm
- **Mounting Height:** 145cm – 165cm
- **Power Options:** Ethernet with PoE or 12VDC power supply

Product Information

The IST-5 is an Intelligent Surface touch panel designed for wall mounting in either Portrait or Landscape orientation. It features a proximity sensor, light sensor, microphone, mute button, captive screw tunnel, power button, Ethernet port with PoE, and speakers.

Mounting Instructions

To mount the IST-5:

1. Ensure a minimum mounting depth of 34mm from the wall surface.
2. Recommended mounting height is 145cm – 165cm from the finished floor. The recommended included mounting bracket to a single gang low voltage bracket.
3. Secure the IST-5 unit on the metal rear mounting bracket with the captive screw.

Powering the IST-5

The IST-5 can be powered either through an Ethernet connection with PoE or by connecting a 12VDC power supply. Do not use both power sources simultaneously.

Installation Steps

1. Loosen the captive screw on the IST-5.
2. Align mounting frame hooks and gently pull down the IST-5.
3. Tighten the captive screw to secure the IST-5 to the mounting bracket.

Software and Programming
The touchscreen display on the IST-5 is programmed using RTI Integration Designer Software. It consists of pages with various objects like buttons and graphics. Software updates can be done via the Ethernet network.

Safety Suggestions

- Read and follow all safety and operating instructions.
- Retain instructions for future reference.
- Adhere to warnings on the unit and in the manual.
- Use only manufacturer-specified attachments/accessories.

The IST-5 touch panel elevates system control in all commercial and residential settings. It starts with a hi-resolution 5” capacitive touch screen with an 854×480 resolution with a true-black display filter for exceptional clarity. With an ultra-thin bezel, near-flush mount (just 0.4”/ 12mm off the wall), and elegantly compact form factor, the IST-5 makes an elegant statement in landscape or portrait mount. Built-in 10/100 Base-T Ethernet with PoE enables seamless two-way system control, video, and remote programming.

Key Features

- Hi-resolution 5” capacitive-touch screen (854×480) with ultra-thin bezel.
- Near-flush mount (less than 0.4”/11mm off wall).
- Ethernet and Wi-Fi options for control and communication.
- PoE or 12V DC power options.
- Exceptional video streaming and two-way intercom at H.264 or H.265 format.
- Dual speakers and far-field microphone array (with mute button).
- Proximity and ambient light sensors.
- Portrait or landscape.

Product Contents

- IST-5
- Metal Wall Mounting Bracket (1)
- Mounting Bracket Screws (2)

Overview

Mounting Bracket Installation

The IST-5 is designed to be wall-mounted in either Portrait or Landscape orientation.

Mounting Depth
The IST-5 requires a minimum mounting depth of 1.34” (34mm) from the wall surface. Leave space to account for the RJ-45 or 12V barrel connector.

Mounting Height
The recommended mounting height for the IST-5 is 57”- 65” (145 cm -165 cm) from the finished floor to the center of the unit.

Mounting Bracket

- The IST-5 is designed to be mounted to a US standard single gang wall box or a single gang low voltage bracket.
- The IST-5 mounting bracket, included in the box, should be attached to the single gang low voltage bracket with the supplied screws, then the IST-5 unit is secured on the metal rear mounting bracket with a captive screw located at the bottom of the IST-5.

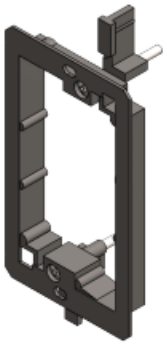
Portrait/ Landscape Mounting

- Portrait orientation: Install the single gang low-voltage bracket on a wall in its normal position
- Landscape orientation: Install the single gang low-voltage bracket on the wall after rotating it 90 degrees in a clockwise direction.

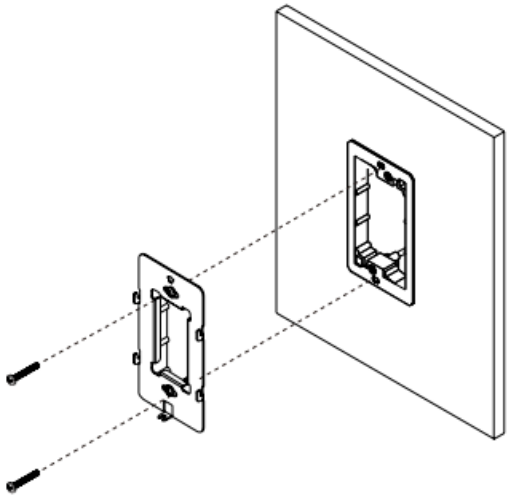
Install the IST-5 Mounting Bracket

- The IST-5 package includes a mounting bracket that MUST be used for installation.
- Use the included screws to mount the bracket onto a single-gang low-voltage bracket.

- Verify that the bracket is level before tightening the captive screw on the IST-5.



Single Gang low voltage bracket



IST-5 Mounting Bracket (included)

Power the IST-5
The IST-5 is designed to be powered over an Ethernet connection with PoE or by connecting a 12VDC power supply (not included), but not both.

PoE Connection

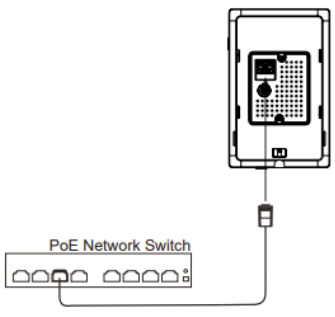
- PoE connection requires IEEE 802.3at standard. Utilize a network switch or PoE injector that meets this standard.
- Connect the IST-5 using a standard T568A or T568B Ethernet cable from the network switch to the LAN/PoE jack on the rear enclosure of the IST-5.

12VDC Power Supply

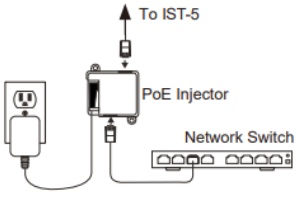
- You can provide power to the IST-5 by utilizing a 12VDC/2A power supply (available separately).
- Plug the connector into the DC jack on the rear enclosure of the IST-5.

Power Up The IST-5

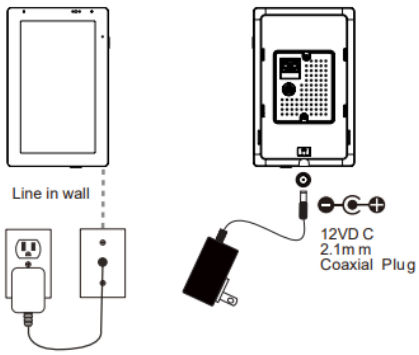
The IST-5 will automatically power on when power is applied.



PoE Network Switch Cabling



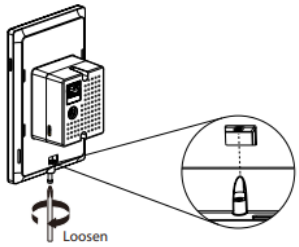
PoE Injector Cabling



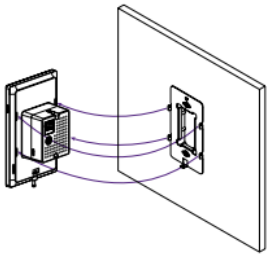
12VDC Power Supply Cabling

Install the IST-5

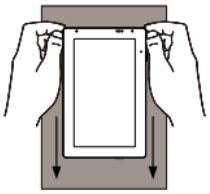
- Use a Philips #1 head screwdriver to loosen the captive screw of the unit to the level indicated below in the diagram. The screw should not be removed from the unit.
- Align the mounting frame hooks with the IST-5 mounting slots and gently pull the IST-5 unit down the mounting bracket. Make sure the mounting hooks are properly engaged.
- To complete the installation, tighten the captive screw on the bottom part of the unit, to secure the IST-5 on the mounting bracket.
- For Landscape orientation, rotate the mounting bracket and IST-5 90 degrees in a clockwise direction before installation.



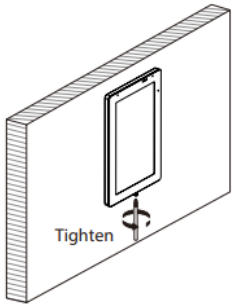
Loosen captive screw



Align mounting frame hooks

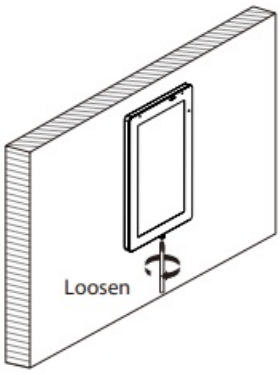


Gently pull IST-5 down

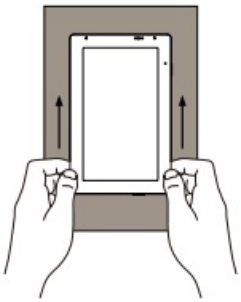


Tighten the captive screw to secure the IST-5 to the mount-ing bracket.

Remove the IST-5
Use a Philips #1 head screwdriver to loosen the captive screw of the IST-5, then gently pull straight up from the mounting frame to disengage the unit.

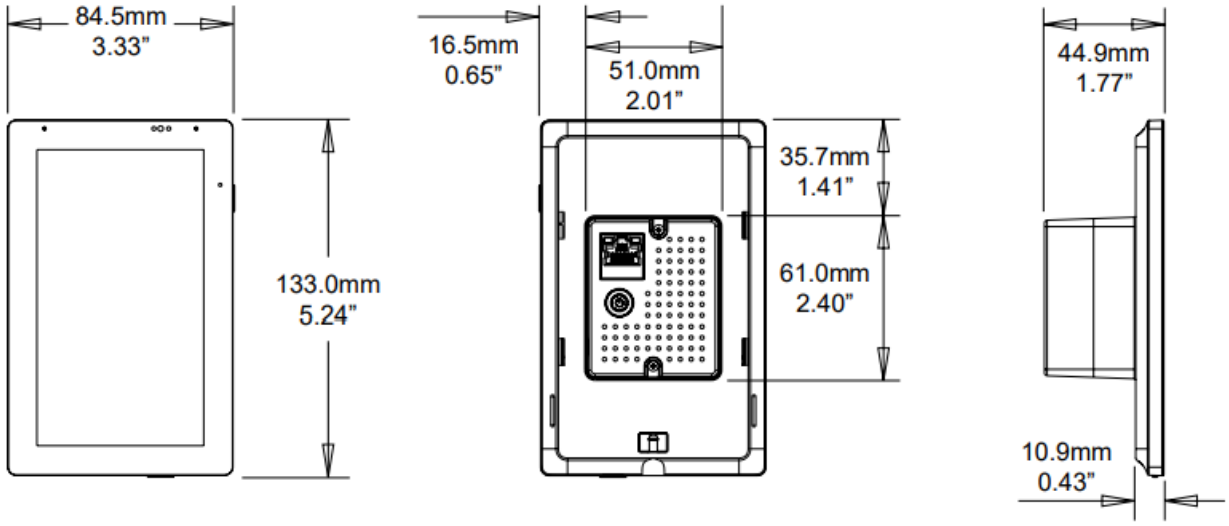


Loosen captive screw



Gently push IST-5 upwards

Dimensions



Ethernet Communication
When the IST-5 is connected to a network switch by Ethernet cable, the unit will acquire a network address via DHCP and automatically connect to the LAN.

Programming

Touchscreen Display
The IST-5 touchscreen display is programmed using the RTI Integration Designer Programming Software. Normally, it is organized into a series of pages containing objects (buttons, text, graphics, etc.) that are related to each other.

Updating the Software
RTI’s Integration Designer data files can be downloaded to the IST-5 via the Ethernet network.

Hard Buttons

- **Power Button**: Short press turns off/on display
- **Mute Button**: Short press disables/enables the microphone
- **Full Reboot**: Short press of the power button + mute button simultaneously
- **Network IP/Wi-Fi reset:** Hold power + mute button for 4 seconds, then release
- **Factory Reset:** Hold power + mute button for 8 seconds then release

Safety Suggestions

Read and Follow the 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.

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 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 exhibit 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.

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

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

- For general information, you can contact RTI at:
- Remote Technologies Incorporated
- **ADDRESS:** 5775 12th Ave. E Suite 180 Shakopee, MN 55379
- **Tel.** +1 **952-253-3100**
- **info@rticontrol.com**
- **Technical Support: support@rticontrol.com**
- **Customer Service: custserv@rticontrol.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).
RTI 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 RTI without return authorization.*

Limited Warranty

RTI warrants new products for three (3) years (excluding consumables such as rechargeable batteries which are warrantied for one (1) year) from the date of purchase by the original purchaser (end-user) directly from RTI / Pro Control (herein referred to as “RTI”), or an authorized

RTI dealer.
Warranty claims may be initiated by an authorized RTI 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, RTI will provide a warranty coverage extension of six (6) months from the date code of the product.

Note: RTI warranty is limited to the provisions outlined 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:

- PProductspurchased 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 RTI and Pro Control or authorized service partners.
- Failure to perform recommended periodic maintenance.
- Causes other than product defects, including lack of skill, competence, or experience of the 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.

RTI Control 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 are based upon inconvenience, loss of use of the product, loss of time, interrupted operation, commercial loss, or 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.

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

Disclaimer

- All rights are reserved. No part of this document may be photocopied, reproduced, or translated without the prior written notice of Remote Technologies Incorporated.
- The information contained in this document is subject to change without notice. Remote Technologies Incorporated shall not be liable for errors or omissions contained herein or for consequential damages in connection with the furnishing, performance, or use of this guide.
- Integration Designer and the RTI logo are registered trademarks of Remote Technologies Incorporated.
- Other brands and their products are trademarks or registered trademarks of their respective holders.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used by 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 to 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.

Caution: Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment.
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.

RF Exposure Information
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

ISED Statement
English: This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having again greater than the maximum gain indicated for that type, are strictly prohibited for use with this device. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference toco-channel mobile satellite systems;

MORE INFORMATION

- **ADDRESS:** Remote Technologies Incorporated 5775 12th Avenue East, Suite 180 Shakopee, MN 55379
- **Tel:** 952-253-3100
- www.rticontrol.com

© 2024 Remote Technologies Inc. All rights reserved.

FAQ

- **Q: Can the IST-5 be used outdoors?**
  - **A:** The IST-5 is designed for indoor use only and should be kept away from heat sources.

Documents / Resources

	RTI IST-5 Tablet Computer 5.5 Inch Intelligent Surface Touchpanel [pdf] User Guide 2A8SQ-IST-5, 2A8SQIST5, ist 5, IST-5 Tablet Computer 5.5 Inch Intelligent Surface Touchpanel , IST-5, IST-5 Tablet Computer, Tablet Computer, Tablet Computer 5.5 Inch Intelligent Surface Touchpanel, 5.5 Inch Intelligent Surface Touchpanel, 5.5 Inch Touchpanel, Intelligent Surface Touchpanel, Intelligent Surface, Touchpanel

References

- User Manual

Manuals+, **Privacy Policy**

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.