> Ultra clean, modern appearance
> Thin profile and small footprint
> Affordable and easy to install
> 7” widescreen active-matrix color display
> 800 x 480 WVGA display resolution
> Capacitive touch screen technology
> Smart Graphics™ support
> Voice recognition capability
> High-performance H.264 streaming video
> Rava® SIP intercom and phone technology
> Customizable audio feedback
> Web browsing
> On-screen keyboard
> Customizable screensaver
> Built-in microphone and speakers
> 5 soft-touch capacitive buttons
> Single-wire Ethernet connectivity
> PoE network powered
> Supports US or European electrical wall box mounting
> Can be mounted directly to drywall or paneling over a cutout
> Compatible with TSW-UMB Universal Mounting Bracket
> Compatible with TSW-RMB Retrofit Mounting Brackets
> Pre-construction and masonry mounting options available
> Available tabletop and swivel mount options
> Available in smooth black or white finish

Advanced Touch Screen Control
A Crestron® touch screen offers an ideal user-interface for controlling all the technology in your home, boardroom, classroom, courtroom, or command center. Touch screens do away with piles of remote controls, cluttered wall switches, and cryptic computer screens, simplifying and enhancing the way you use technology. For controlling audio, video, lighting, shades, HVAC, security, and other systems, Crestron touch screens are fully-customizable with easy-to-use controls and icons, true feedback and real-time status display, live streaming video, voice recognition, Web browsing, and advanced navigation of digital media servers, tuners, and other devices.

With its clean, contemporary design highlighted by edge-to-edge glass and stunning color graphics, the Crestron TSW-752 touch screen makes an elegant statement on any wall, tabletop or lectern. Perfectly at home in the most contemporary residence or modern office building, its high-tech good looks underline its power for simplifying everyday tasks and functions throughout any facility.

The TSW-752 delivers the ultimate touch screen experience in an unobtrusive, space-saving design featuring a brilliant 7 inch capacitive touch screen display with Smart Graphics™ and 5 soft-touch buttons. PoE connectivity and a range of mounting options make installation a breeze for both new and retrofit applications. Additional advanced features include the abilities to control any function using voice commands, view security cameras and other video sources, communicate using built-in intercom and phone capabilities, and browse the Internet.

Smart Graphics™
Crestron touch screens use Smart Graphics to deliver the ultimate user experience and the ultimate value by enabling the creation of dynamically rich user interfaces with incredible efficiency and unparalleled functionality. Using Smart Graphics, programmers can swiftly integrate fluid gesture-driven controls, animated feedback, rich metadata, embedded apps and widgets, and full-motion video for a deeply engaging and ultra-intuitive touch screen experience.

Crestron Smart Graphics offers these enhancements and more:
- Cool-looking graphical buttons, sliders, knobs, and gauges that are intuitive and fun to use
- Kinetic effects to enhance the feeling of realism, with lists and toolbars that scroll with momentum at the flick of a fingertip
- Drag-and-drop objects that snap into place, offering an easy way to switch sources
- Dashboard widgets to personalize the touch screen with clocks, weather, news, and other information
- A power-saving screensaver that allows display of time, temperature, and other text content at a reduced brightness level
- Customizable themes allowing a completely different look and feel for every user, event, or season
- Fully-developed SmartObjects® that enable sophisticated control over complex devices with minimal programming

Soft-Touch Buttons
The TSW-752 includes five soft-touch capacitive buttons for quick access to commonly used functions. The buttons are pre-labeled with icons for “Power”, “Home”, “Lights”, “Up”, and “Down” functions. Each button is programmable via the control system for custom functionality.
Voice Recognition

Some things are easier said than done, so why not just say what you want and let Crestron do it for you? With built-in voice recognition, the TSW-752 provides the ability to use spoken commands to control virtually anything. Voice recognition can be used to quickly turn devices on or off, select and play a specific media title or playlist, change the channel, choose a lighting scene, lock the doors, arm the security system, or enter a password. Simply press the Voice Recognition button and say a command and Crestron does the rest.\(^1\)

Streaming Video

High-performance streaming video capability makes it possible to view security cameras and other video sources right on the touch screen. Native support for H.264 and MJPEG formats allows the TSW-752 to display live streaming video from an IP camera, a streaming server (Crestron CEN-NVS200, DM-TXRX-100-STR, or similar\(^3\)), or a DigitalMedia™ switcher. Video is delivered to the touch screen over Ethernet, eliminating the need for any extra video wiring.\(^2\)

Rava® SIP Intercom

Rava SIP Intercom Technology enables hands-free VoIP communication with other Rava-enabled touch screens and door stations. Rava works over Ethernet, supporting 2-way intercom, video intercom\(^4\), and paging without any special wiring. VoIP phone capability is also possible through integration with an SIP-compatible IP phone system or SIP server, allowing hands-free telephone functionality complete with speed-dialing, caller ID, custom ringers, and other enhancements. Built-in echo cancellation affords full-duplex performance for clear, seamless voice communication using the TSW-752’s integrated microphone and speakers.\(^5\)

Web Browsing

Its built-in Web browser allows the TSW-752 to be used to access the Internet, providing a useful utility for quickly checking on social media sites, online auctions, stocks, sports, and other online information.\(^1\)

On-Screen Keyboard

On-screen multi-language keyboard capabilities provide for entry of passwords, URLs, and text search items.

Audio Feedback

Customized audio files can be loaded to add another dimension to the touch screen graphics using personalized sounds, button feedback, and voice prompts.

Single-Wire Connectivity

A simple Ethernet LAN connection is all that is required to wire the TSW-752, containing all control, video, intercom, and power signals within a single wire.

Power over Ethernet

Using PoE technology, the TSW-752 gets its operating power right through the LAN wiring. PoE (Power over Ethernet) eliminates the need for a local power supply or any dedicated power wiring. A PoE Injector (PWE-4803RU\(^3\)) simply connects in line with the LAN cable at a convenient location. Crestron PoE switches (CEN-SW-POE-5 or CEN-SWPPOE-16\(^3\)) may also be used to provide a total networking solution with built-in PoE.

Simple, Versatile Mounting

Using the bracket provided, the TSW-752 installs easily over a 2-gang or 3-gang electrical box, or a 2-gang European electrical box. It can also be attached directly to drywall and other surfaces over the front of a 2-3/8" H x 3-3/8" W (60mm H x 86mm W) cutout. When installed, it protrudes just 1/2 inch from the mounting surface and is magnetically adhered to its mounting bracket, eliminating any visible screws for an ultra clean appearance.\(^5\)

Crestron also offers the TSW-UMB Universal Mounting Bracket\(^6\), which provides a post-construction wall mounting solution that can accommodate a variety of current and future Crestron devices including the TSW-752. The TSW-UMB makes it easy to change devices at any time without having to cut or patch the wall, or order any additional mounting hardware. For a pre-construction mounting solution, the TSW-UMB can be used along with a TSW-UMB-PMK Pre-Construction Mounting Kit\(^5\). Masonry and concrete applications can be accommodated using the TSW-UMB along with a TSW-550-BBI back box\(^5\).

Replacing an older Crestron touch screen with a new TSW-752 can be
made simple using a TSW-RMB Retrofit Mounting Bracket. A variety of adapter brackets are available to enable easy installation of the TSW-752 right over the existing back box, mounting kit, or cut-out.

**Tabletop Option**

Using the optional Tabletop Kit (TSW-750-TTK), the TSW-752 becomes a stylish, freestanding touch screen that fits perfectly on a table, desk, or countertop. It can even be permanently attached to the surface using the optional Swivel Mount Kit (TSW-550/750/1050-SMK).

**AV Framework™ Package Option**

A special version of the TSW-752 is available for use with DMPS3 Series DigitalMedia Presentation Systems and other Crestron presentation switchers. Featuring DMPS3 AV Framework Project software, the TSW-752-B-DMPS3 PAK enables customized system configuration and control without programming. A tabletop kit is also included.

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**SPECIFICATIONS**

**Touch Screen Display**

- **Display Type:** TFT Active matrix color LCD
- **Size:** 7 inch (178 mm) diagonal
- **Aspect Ratio:** 15:9 WVGA
- **Resolution:** 800 x 480 pixels
- **Brightness:** 300 nits (cd/m²)
- **Contrast:** 350:1
- **Color Depth:** 18-bit, 262k colors
- **Illumination:** Edgelit LED
- **Viewing Angle:** ±70° horizontal, ±65° vertical
- **Touch Screen:** Projected Capacitive

**Buttons**

- **Hard Keys:** (5) Projected capacitive pushbuttons, programmable, pre-labeled with icons for “Power”, “Home”, “Lights”, “Up”, and “Down”
- **Reset:** (1) Miniature pushbutton on rear panel for hardware reset

**Memory**

- **LPDDR2 RAM:** 1 GB
- **Flash:** 4 GB
- **Maximum Project Size:** 512 MB

**Graphics Engine**

Supports Smart Graphics™, multi-language Web browser, multi-language on-screen keyboard, screensaver

**Languages**

Smart Graphics: Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, Dutch, English (UK), English (US), Finnish, French (Canada), French (Switzerland), German, Hebrew, Hungarian, Italian, Japanese, Norwegian, Polish, Portuguese, Portuguese (Brazilian), Romanian, Russian, Slovak, Spanish, Swedish, Thai

On-Screen Keyboard: Arabic, Chinese (Simplified), Croatian, Czech, Danish, Dutch, English (UK), English (US), Finnish, French (Canada), French (Switzerland), German, Hebrew, Hungarian, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Serbian, Spanish, Turkish

Voice Recognition: Afrikaans (South Africa); Chinese, Mandarin (China, Simplified); Chinese, Mandarin (Hong Kong, Simplified); Chinese, Mandarin (Taiwan, Traditional); Chinese, Yue (Hong Kong, Traditional); Czech (Czech Republic); Dutch (Netherlands); English (Australia); English (Canada); English (Generic); English (India); English (New Zealand); English (South Africa); English (UK); English (US); French (France); German (Germany); isiZulu (South Africa); Italian (Italy); Japanese (Japan); Korean (South Korea); Polish (Poland); Portuguese (Brazil); Russian (Russia); Spanish (Spain); Turkish (Turkey)

Web Browser: Arabic, Bulgarian, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Filipino, Finnish, French, German, Greek, Hebrew, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Latvian, Lithuanian, Norwegian, Pashto, Persian, Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish, Ukrainian, Vietnamese

**Ethernet**

- 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP, IEEE 802.3af and 802.3at Type 1 compliant

**Video**

- **Streaming Formats:** H.264 (MPEG-4 part 10 AVC), MJPEG

**Audio**

- **Features:** Built-in microphone and speakers, Rava® SIP Intercom, multi-language voice recognition
- **Audio Feedback Formats:** MP3

**Connectors**

- **LAN PoE:** (1) 8-wire RJ45 with 2 LED indicators; 10Base-T/100Base-TX Ethernet port, Power over Ethernet compliant; Green and yellow LEDs indicate Ethernet port status

**Power Requirements**

- **Power over Ethernet:** IEEE 802.3at Type 1 (802.3af compatible) Class 3 (12.95W) PoE Powered Device

**Environmental**

- **Temperature:** 32° to 112°F (0° to 45°C)
- **Humidity:** 10% to 90% RH (non-condensing)
- **Heat Dissipation:** 44 BTU/hr

**Enclosure**

- **Construction:** Plastic, smooth black or white finish
- **Mounting:** Surface mount over a 2 or 3-gang electrical box, 2-Gang European (DIN 49073) electrical box, or 2-3/8” H x 3-3/8” W (60mm H x 86mm W) cutout; additional wall mount and tabletop options available separately
**Dimensions**

- Height: 4.74 in (121 mm)
- Width: 7.59 in (193 mm)
- Depth: 2.03 in (52 mm)

**Weight**

14.1 oz (400 g)

**MODELS & ACCESSORIES**

**Available Models**

- TSW-752-B-S: 7” Touch Screen, Black Smooth
- TSW-752-W-S: 7” Touch Screen, White Smooth

**Available Accessories**

- TSW-750-TTK: Tabletop Kit
- TSW-550/750/1050-SMK: Swivel Mount Kit for TSW-750-TTK
- TSW-UMB: Universal Mounting Bracket
- TSW-UMB-PMK: Pre-Construction Mounting Kit for TSW-UMB
- TSW-550-BBI: Wall Mount Back Box - International Version
- TSW-750-RMB-1: Retrofit Mounting Bracket - Converts APAD, CT/LC-1000, or TPS-2000L to TSW-752
- TSW-750-RMB-2: Retrofit Mounting Bracket - Converts TPS-4L to TSW-752
- PWE-4803RU: PoE Injector
- CEN-SW-POE-5: 5-Port PoE Switch
- CEN-SWP0E-16: 16-Port Managed PoE Switch
- CEN-NVS200: Network Video Streamer
- DM-TXR-100-STR: HD Streaming Transmitter/Receiver
- SW-VMK-WIN: TouchPoint® Virtual Mouse & Keyboard Software for Windows®

**Notes:**

1. Voice recognition, Web browsing, weather information, and certain other functions require an Internet connection.
2. Supports Smart Graphics only. Not compatible with “traditional” UI projects.
3. Item(s) sold separately.
4. H.264 compatible IP camera required.
5. For proper positioning of the touch screen unit, the electrical box or cut-out must be positioned approximately 1/4” to the right of center, and 1/10” above center.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

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