7" Room Scheduling Touch Screen

> Room scheduling touch screen
> For use with Crestron Fusion RV® software
> Intuitive on-screen scheduling interface
> 7" widescreen active-matrix color display
> Capacitive touch screen technology
> Smart Graphics™ support [5]
> Crestron Fusion® multi-language support
> Built-in proximity sensor
> Room occupancy sensor option [3]
> High-performance H.264 streaming video [2]
> Rava™ SIP intercom and phone technology [2]
> Customizable audio feedback [2]
> Built-in microphone and speaker [2]
> 10 optional "hard key" pushbuttons
> Dual-color button backlighting
> Custom engravable button text [3]
> Single-wire Ethernet connectivity
> PoE+ network powered [4]
> Versatile wall, surface, and tabletop mounting options [1]
> Modern, contoured appearance
> Available with black or white smooth finish

Crestron® Room Scheduling Touch Screens provide an invaluable productivity tool for organizations with multiple conference rooms and meeting spaces. Mounted on the wall outside each room, they allow anyone to see at a glance if a room is available or in use, and view details about the current meeting. A swipe of the finger across the color touch screen reveals the room's entire schedule. Upcoming meetings and open time slots are clearly displayed on a scrolling calendar ribbon, and users can even reserve a room right on the spot from the touch screen.

Room Scheduling Touch Screens end the wasteful practice of searching the corridors for an available room. They eliminate confusion over which room is booked — by whom, and for how long — and allow attendees to verify they're in the right place before entering a room. They help organizations to maximize productivity and get the most usable time out of every room.

Crestron Room Scheduling Touch Screens are designed to be installed as part of a complete enterprise room scheduling solution using Fusion RV® Remote Asset Management Software.

Form and Function
The TSW-730 Room Scheduling Touch Screen features a brilliant 7 inch (178 mm) widescreen display with lots of space for displaying essential meeting and scheduling information all at once without having to flip through multiple pages. Capacitive touch screen technology affords nimble touch response for navigating the intuitive on-screen interface. Crestron Smart Graphics™ delivers a dynamic, gesture-driven user experience with many customizable features. Shortcut buttons on either side of the touch

screen provide an alternate method for quickly accessing the most common scheduling functions.

With its clean, modern appearance, the TSW-730 makes an elegant statement in any environment including office buildings, conference centers, hotels, and universities. A choice of mounting options allows the TSW-730 to be installed in places other touch screens just can't go. It can be installed on a wall over a standard 2-gang electrical box, placed on a table, or mounted to virtually any flat surface — even glass, granite, or marble.[1] Its contoured shape affords clear visibility down long corridors, with room status indicators at either side that shine green when the room is available and red when it is in use.

Enhanced Room Scheduling
The TSW-730 is optimized for use with Crestron Fusion RV software, enabling tight integration with popular scheduling applications like Microsoft® Exchange, Office 365®, IBM® Notes®, CollegeNET® R25®, and Google Calendar™. Through its color touch screen, the TSW-730 provides advanced room scheduling capabilities that can be customized to suit the needs of any organization.

- **Schedule View -** Displays a clear, at-a-glance view of the current reservation along with upcoming reservations and available time slots on a scrolling calendar ribbon. New reservations can be scheduled on the spot.
- **Find -** Allows you to quickly search all the rooms on the network, and reserve any room nearby, without leaving the touch screen you're at.
- **End Now -** Allows you to end a reservation early, making the room available to others immediately.
- **Extend -** Allows you to extend the current reservation if a meeting is running over and the room is still available.
- **Details -** Provides additional information about a reservation.
- **Check In -** This option requires the meeting organizer to check in before a meeting to confirm the reservation. If no one checks in, the room can automatically become available to others.

- **Availability Threshold -** Reserves extra setup time ahead of the actual scheduled event. Eliminates the need to schedule a separate reservation for setup of furniture, refreshments, staging, and AV before a meeting, luncheon, or other event.
- **Custom Backgrounds -** Allows you to change the background images that appear on each touch screen. Company logos and other custom graphics can be uploaded to the Fusion RV server, or any Web server, enabling the graphics to be changed at any time by simply uploading a new image file to the server.
- **Localization -** Supports international fonts and formats in combination with Fusion RV software.
- **Broadcast Messaging -** Allows display of text bulletins, announcements, and other messages on the touch screen. Emergency broadcasts can be accompanied by an alert sound, while non-emergency messages display on the screen without disrupting its normal use.
- **PIN Code Authorization -** Allows use of a 4-digit PIN code to restrict access to certain functions such as reserving a room through the touch screen, viewing a private reservation, viewing details, checking into a meeting, extending a reservation, ending a reservation early, or accessing the touch screen configuration page.

Dual-Color Backlit Buttons

The TSW-730 comes standard with 10 "hard key" pushbuttons. Positioned to either side of the touch screen display, these buttons offer an alternative method for navigating the on-screen user interface, providing quick access to the most common scheduling functions. The buttons are also backlit, illuminating green or red to indicate when the room is available or in use.

The button backlighting is fully dimmable to allow for just the right brightness. For custom applications, each button can be individually programmed to provide discrete feedback[2]. Customized labeling of the buttons can also be attained using Crestron Engraver software. For a clean appearance, the buttons may be removed and covered using the no-button covers provided.

Occupancy Sensing

Crestron GLS-series room occupancy sensors[3] can be connected directly to the TSW-730 to detect when no one has shown up for a scheduled meeting. In such an event, the current reservation can be cancelled automatically to make the room available to others.

Proximity Sensor

The TSW-730 senses as you approach it, waking its display automatically without having to touch the screen.

Custom User Mode

Just like any other Crestron touch screen, the TSW-730 can be custom programmed for all types of applications. The TSW-730 uses Smart Graphics to deliver the ultimate user experience for controlling AV, lighting, shades, HVAC, and other functions. Additional enhancements include support for H.264 streaming video, Rava™ SIP intercom, and audio feedback.

Single-Wire Connectivity

A simple Ethernet LAN connection is all that is required to wire the

TSW-730-W-S – Shown in "Reserved" state

TSW-730, containing all control, video, intercom, and power signals within a single wire.

Power over Ethernet

Using PoE+ technology, the TSW-730 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. The TSW-730 requires a PoE+ power source for full functionality.[4] LLDP advanced power management enables the TSW-730 to require only 16 Watts from the PoE power budget when powered by an LLDP compatible PoE+ switch such as the Crestron CEN-SWPOE-16[3] (see specifications for more information).

Simple, Versatile Mounting

The TSW-730 installs easily on virtually any mounting surface. As standard, it mounts directly to a 2-gang electrical box or 2-gang UK electrical box, requiring just 1/2-inch mounting depth while protruding less than an inch from the wall surface. For impenetrable surfaces, such as decorative glass, granite, marble, plaster, smooth stone and masonry, Crestron offers the Multi-Surface Mount Kit (TSW-730-MSMK[3]), which provides a very versatile mounting solution complete with a low-profile rear shell enclosure, adhesive mounting plate, optional angle bracket, and wire raceway. And finally, the Table Top Kit (TSW-730-TTK[3]) converts the TSW-730 into a stylish, compact tabletop touch screen, perfect for free-standing use or permanently-mounted on a tabletop or counter surface.

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: (10) Optional pushbuttons, translucent backlit, for scheduling functions (default) or programmable for any function
Feedback/Backlight: (1) red and (1) green LED per hard key, for room status indication (default) or programmable for custom feedback and backlighting
Reset: (1) Recessed pushbutton behind pinhole for hardware reset

Proximity Sensor

Type: Active infrared beam and receiver
Range: 3-4 feet
Wakes the touch screen and backlight

Memory

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

Graphics Engine

Supports Smart Graphics™ [5]

Crestron Fusion® Language Support

Chinese (Simplified), Chinese (Traditional), Dutch (Netherlands), English (US), English (UK), French, German, Italian, Japanese, Russian, Spanish

Communications

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

Video[2]

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

Audio[2]

Features: Built-in microphone and speakers, Rava™ SIP Intercom
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[4];
Green and yellow LEDs indicate Ethernet port status

Occupancy Sensor Input: (4) captive screw terminals comprising (2) voltage sensing inputs (referenced to GND) with 24 Volt DC power output[4];
Input Voltage Range: 0-30 Volts DC;
Sensing Threshold: ≥18 Volts DC active, ≤10 Volt DC inactive;
Maximum DC Load: 4 Watts @ 24 Volts DC, provides operating power for up to (4) Crestron GLS Series occupancy sensors[4]

Power Requirements

Power over Ethernet: IEEE 802.3at Type 2 PoE+ Powered Device;
  • 16 Watts if using an 802.3at Type 2 PSE with LLDP advanced power management;
  • Class 4 (25.5W) if using an 802.3at Type 2 PSE without LLDP;
  • Class 3 (12.95W) if using an 802.3af (or 802.3at Type 1) PSE (no power available for external occupancy sensors)[4]

Environmental

Temperature: 32° to 112°F (0° to 45°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 35 BTU/hr

Enclosure

Construction: Plastic, smooth black or white finish
Front Bezel: Plastic, hard buttons installed with pre-labeled button covers, custom engraving sold separately, "no-button" covers also included
Mounting: Surface mount over a 2-gang electrical box or plaster ring, 2-gang UK (BS 4662) electrical box, or rectangular cutout; choice of standard or security screws provided; optional multi-surface and tabletop mounting kits sold separately

Dimensions

Height: 4.75 in (121 mm)
Width: 8.76 in (223 mm)
Depth: 1.25 in (32 mm)

Weight

18.3 oz (518 g)

MODELS & ACCESSORIES

Available Models
TSW-730-B-S: 7" Room Scheduling Touch Screen, Black Smooth
TSW-730-W-S: 7" Room Scheduling Touch Screen, White Smooth

Available Accessories
TSW-730-BTNO: Engravable Button Covers
TSW-730-MSMK: Multi-Surface Mount Kit
TSW-730-TTK: TableTop Kit
SMK-4SM/730: Swivel Mount Kit for TSW-730-TTK
PWE-4803RU: PoE Injector
CEN-SW-POE-5: 5-Port PoE Switch
CEN-SWPOE-16: 16-Port Managed PoE Switch
CEN-SWPOE-24: 24-Port Managed PoE Switch
GLS Series: Crestron Green Light® Occupancy Sensors
CEN-NVS200: Network Video Streamer
SW-VMK-WIN: TouchPoint® Virtual Mouse & Keyboard Software for Windows®

Notes:

1. Tabletop and multi-surface mounting kits sold separately.
2. Enabled through custom programming. Not used for typical room scheduling applications.
3. Item(s) sold separately.
4. To supply 24 VDC power for external occupancy sensors via the Occupancy Sensor Input port, the TSW-730 must be powered using an IEEE 802.3at Type 2 PoE+ PSE (Power Sourcing Equipment). The TSW-730 may be powered by an 802.3af or 802.3at Type 1 PoE PSE if no occupancy sensors are connected, or if the occupancy sensors are not powered by the TSW-730.
5. Supports Smart Graphics only. Not compatible with "traditional" UI projects.

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.

Crestron, the Crestron logo, Crestron Fusion, Fusion RV, Rava, Smart Graphics, and TouchPoint are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. CollegeNET and R25 are either trademarks or registered trademarks of CollegeNET, Inc. in the United States and/or other countries. Google Calendar is either a trademark or registered trademark of Google Inc. in the United States and/or other countries. IBM and Notes are either trademarks or registered trademarks of International Business Machines Corporation in the United States and/or other countries. Microsoft, Office 365, and Windows are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. Specifications are subject to change without notice. ©2014 Crestron Electronics, Inc.

Crestron Electronics, Inc. 15 Volvo Drive │ Rockleigh, NJ 07647

Tel: 800.237.2041 / 201.767.3400 │ Fax: 201.767.1903

www.crestron.com

All brand names, product names and trademarks are the property of their respective owners.

©2014 Crestron Electronics, Inc.

Specifications subject to change without notice. Revised 04/09/14