

# TSW-730

## 7" Room Scheduling Touch Screen

- > Room scheduling touch screen
- > For use with Crestron Fusion RV® software<sup>[1]</sup>
- > Intuitive on-screen scheduling interface
- > 7" widescreen active-matrix color display
- > Capacitive touch screen technology
- > Smart Graphics™ support<sup>[6]</sup>
- > Crestron Fusion™ multi-language support
- > Built-in proximity sensor
- > Room occupancy sensor option<sup>[4]</sup>
- > High-performance H.264 streaming video<sup>[3]</sup>
- > Rava™ SIP intercom and phone technology<sup>[3]</sup>
- > Customizable audio feedback<sup>[3]</sup>
- > Built-in microphone and speaker<sup>[3]</sup>
- > 10 optional "hard key" pushbuttons
- > Dual-color button backlighting
- > Custom engravable button text<sup>[4]</sup>
- > Single-wire Ethernet connectivity
- > PoE+ network powered<sup>[5]</sup>
- > Versatile wall, surface, and tabletop mounting options<sup>[2]</sup>
- > Modern, contoured appearance
- > Available with black or white smooth finish

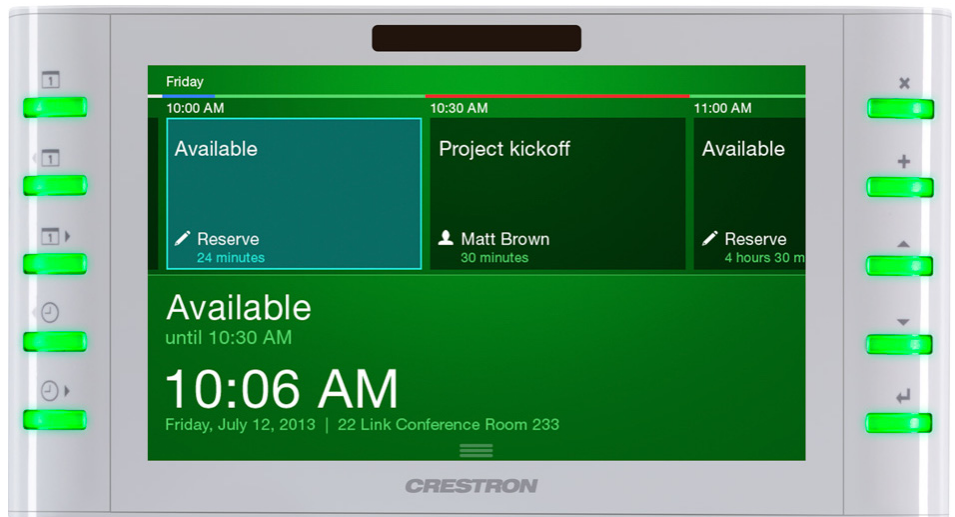
Crestron® Room Scheduling Touch Screens provide an invaluable productivity tool for organizations with multiple conference rooms and meeting spaces. Mounted on the wall outside each room, they allow anyone to see at a glance if a room is available or in use, and view details about the current meeting. 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 get the most usable time out of every room — and the people who use them.

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](#).<sup>[1]</sup>

### 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 over a standard 2-gang electrical box, placed on a table, or mounted to virtually any flat surface — even glass, granite, or marble.<sup>[2]</sup> Its contoured shape affords clear visibility down narrow 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<sup>[1]</sup>, 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.

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- **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<sup>[3]</sup>. 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<sup>[4]</sup> 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, 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. A PoE+ capable power source ([CEN-SWPOE-16](#)<sup>[4]</sup> or similar) is required.<sup>[5]</sup>

## 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](#)<sup>[4]</sup>), 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](#)<sup>[4]</sup>) 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

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**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/m<sup>2</sup>)

**Contrast:** 350:1

**Color Depth:** 18-bit, 262k colors

**Illumination:** Edgelit LED

**Viewing Angle:** ±70° horizontal, ±65° vertical

**Touch Screen:** Projected Capacitive

### Buttons

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**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

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**Type:** Active infrared beam and receiver

**Range:** 3-4 feet

Wakes the touch screen and backlight

### Memory

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**LPDDR2 RAM:** 1 GB

**Flash:** 4 GB

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Maximum Project Size: 512 MB

## Graphics Engine

Supports Smart Graphics™ [6]

## 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<sup>[3]</sup>

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

## Audio<sup>[3]</sup>

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<sup>[5]</sup>; 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<sup>[5]</sup>;  
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<sup>[5]</sup>

## Power Requirements

Power over Ethernet: IEEE 802.3at Type 2 Class 4 (25.5W) PoE+ Powered Device, or 802.3at Type 1 (802.3af compatible) Class 3 (12.95W) PoE Powered Device if NOT powering external occupancy sensors<sup>[5]</sup>

## 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-SWP0E-16: 16-Port Managed PoE Switch  
CEN-SWP0E-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. Also compatible with RoomView® Express software.
2. Tabletop and multi-surface mounting kits sold separately.
3. Enabled through custom programming. Not used for typical room scheduling applications.
4. Item(s) sold separately.
5. The TSW-730 can be operated using standard PoE if no occupancy sensors are connected, or if the occupancy sensors are not powered by the TSW-730.
6. 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](http://www.crestron.com/salesreps) or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

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