ST-1700C

SmarTouch™ 1-Way Wireless Touch Panel

The SmarTouch ST-1700C from Crestron® is a stylish and compact 1-way wireless touch panel featuring a brilliant 5.7" active matrix touch screen and optional pushbuttons. Isys™ color graphics and long-range RF communications combine to deliver amazing touch panel performance with complete freedom of movement.

SmarTouch
A SmarTouch touch panel offers an ideal user-interface for controlling home theater, boardroom AV and a host of other applications, providing a wideopen canvas for the creation of custom control screens tailored to the user's unique needs and tastes. Incredibly compact and portable, the SmarTouch touch panel does away with piles of remotes and cryptic control panels, affording true "one-touch" control over a broad range of complex devices and systems.

1-Way RF Wireless
Proven Crestron RF wireless technology affords an operational range of up to 300 feet without the line-of-sight limitations typical of cheaper IR (infrared) methods. Long-range 433 MHz 1-way RF communication enables compatibility with any Crestron control system via the CNRFGWA gateway[1]. The ST-1700C is also ideal for use with a Crestron MC2W Integrated Wireless Control System[1], providing a very cost-effective yet powerful room control solution.

Isys™
The powerful Isys engine produces astonishing 16-bit full-color graphics and images. Programmable logic built into the ST-1700C enables virtual button feedback and subpages, affording considerable versatility for a 1-way touch panel to deliver the "feel" of a more expensive 2-way panel.

Synapse™
Crestron exclusive Synapse Image Rendering Algorithm enables system programmers to produce amazing graphics - faster and easier. Advanced antialiasing delivers crisper, sharper objects and text. Enhanced 3D effects add new depth and style. And because Synapse is native to the touch panel, memory requirements and upload time are substantially reduced.

Quick-Touch Pushbuttons
The ST-1700C includes a button bezel kit which may be installed to provide ten tactile pushbuttons for quick-touch access to frequently used commands. In standby, the pushbuttons may be operated without waking the touch screen for extended battery life. Custom engraving of the pushbuttons may be attained using Crestron Engraver software.

Long-Life NiMH Batteries
A fast-charging NiMH battery pack is included to provide long-lasting wireless operation, with adjustable power management built in to preserves battery life up to 20 hours in standby.

Docking Station/Charger
Without removing the battery pack, the touch panel can be placed in the ST-DSN docking station (included) for easy recharging, simultaneously providing operating power to the touch panel. The docking station may also be used to recharge a spare ST-BTPN battery pack[1]. And if necessary, the touch panel may even be powered directly using the PW-1215 power pack (included).

> 1-way RF wireless

> 300 foot range

> 5.7" active matrix touch screen display

> 320 x 240 resolution

> Isys™ graphics engine

> Synapse™ Image Rendering Algorithm

> 10 quick-touch pushbuttons (optional)

> Audible "key click"

> Long-lasting NiMH batteries

> Docking station/charger included

> Lightweight contoured design for tabletop and handheld use

SPECIFICATIONS

Touch Screen Display
Display Type: TFT Active matrix color LCD
Size: 5.7 inch (145 mm) diagonal
Aspect Ratio: 4:3 QVGA
Resolution: 320 x 240 pixels
Color Depth: 16-bit, 64k colors
Illumination: Backlit fluorescent
Viewing Angle: ±65° horizontal, +65°/-40° vertical
Touch Screen: Resistive membrane

Buttons
(10) Replaceable engravable buttons, programmable;
Requires installation of button bezel kit (included)

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Wireless

RF Transmitter: 433.92 (433) MHz 1-way RF
Range: Up to 300 feet typical, subject to site-specific conditions
Gateway: Requires a CNRFGWA or MC2W RF Gateway[1], maximum 16 touch panels per gateway

Memory

DRAM: 8 MB
Flash: 4 MB
Maximum Project Size: 3 MB

Graphic Engine

16-bit non-palette graphics; 65,536 colors; Synapse image rendering algorithm; local animation

Audio

Built-in transducer for "key click" sound

Connectors

Power: (1) 2.5mm barrel DC power jack;
12 Volt DC power input (PW-1215 power pack included)
Cresnet Upload: (1) 3.5 mm mini TRS phone jack;
Connects to Cresnet control network while uploading only

Battery

Model/Type: ST-BTPN battery pack, NiMH, 4.8 Volt, 4100 mAh
Usage per Charge: ~3 hours continuous use at full brightness, 20 hours in standby
Charging Time: 2.7 to 6 hours (depending upon use while charging)

Power Requirements

Power Pack: 18 Watts (1.5 Amps) @ 12 Volts DC;
120 Volts AC @ 60Hz power pack, model PW-1215 included

Environmental

Temperature: 50° to 113°F (10° to 45°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Construction: High impact black/silver injection-molded case

Dimensions

Height: 3.85 in (98 mm)
Width: 8.75 in (223 mm)
Depth: 5.51 in (140 mm)

Weight

1.85 lbs (0.84 kg) - not including battery or docking station

INTERNATIONAL VERSION (230 VAC)

STI-1700C
All the features and specifications of the ST-1700C except:

Power Requirements

Power Pack: 18 Watts (1.5 Amps) @ 12 Volts DC;
230 Volts AC @ 50Hz power pack, model PWI-1215 included

Available Models

ST-1700C: SmarTouch™ 1-Way RF Wireless Touchpanel [Limited Supply]
STI-1700C: SmarTouch™ 1-Way RF Wireless Touchpanel - International Version, 230V [Limited Supply]

Included Accessories

1700C-BTNB-BEZELS Button Bezel Kit with Black Buttons (blank) [Included Quantity for ST-1700C, STI-1700C: 1]
PW-1215 Power Pack, Wall, 12VDC, 1.5A, 120VAC [Included Quantity for ST-1700C: 1]
PWI-1215 Power Pack, Desktop, 12VDC, 1.5A, 230VAC [Included Quantity for STI-1700C: 1]
ST-BTPN Battery Pack for SmarTouch 1550 and 1700 wireless model touchpanels [Included Quantity for ST-1700C, STI-1700C: 1]
ST-DSN Docking Station/Charger for SmarTouch 1550 and 1700 wireless model touchpanels. [Included Quantity for ST-1700C: 1]
STI-DSN Docking Station/Charger for SmarTouch 1550 and 1700 wireless model touchpanels - International Version, 230VAC [Included Quantity for STI-1700C: 1]

Available Accessories

1700C-BTNB: Engravable Button Caps, Black
1700C-BTNS: Engravable Button Caps, Silver
CNRFGWA: 433MHz 1-Way RF Gateway
MC2W: Compact Control System with Built-in RF Gateway [Discontinued]
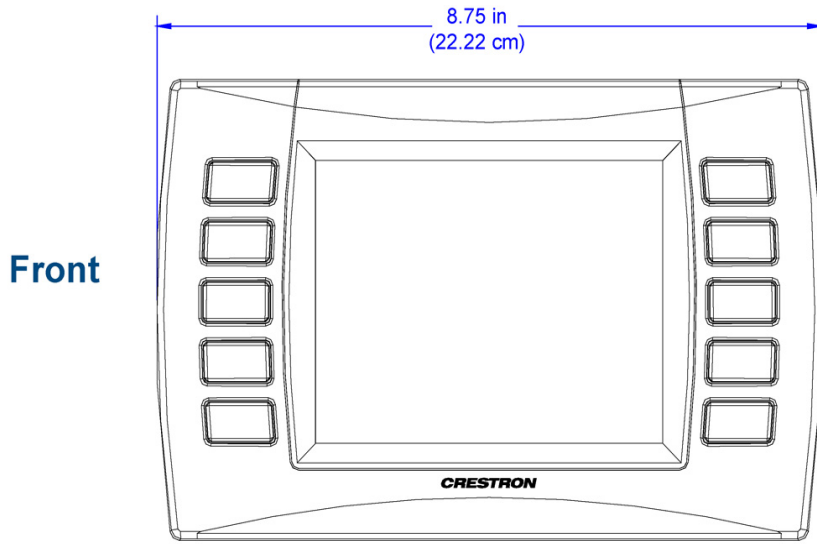**ST-PK:** Programming Cable Kit

Notes:
1. Item(s) sold separately.

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.

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CRESTRON

Front

8.75 in
(22.22 cm)

NOTE: Shown with optional engravable pushbuttons

Top

5.01 in
(12.73 cm)

3.56 in
(9.04 cm)

Sides

3.74 in
(9.49 cm)

5.7 in
(14.48 cm)