

## Isys® 2.8" Handheld Wireless Touch Screen w/infiNET EX®

- > Sleek and ergonomic handheld design
- > Elegant gloss black finish
- > Instant-Waking® behavior
- > Works like an IR remote — with all the benefits of 2-way RF!
- > Ultra-reliable infiNET EX® wireless communications
- > 75 feet RF range (typical)
- > Easy range extension using infiNET EX expanders
- > Built-in speaker for customizable WAV file audio feedback
- > Widely-spaced tactile pushbuttons
- > White EL backlit button text
- > 2.8" active matrix color touch screen display
- > High display brightness and contrast
- > Wide 150 degrees viewing angle
- > Customizable 16-bit color graphics
- > 240 x 320 resolution
- > Dynamic text capability
- > Long-lasting LiPo rechargeable battery pack
- > Low-profile tabletop docking station included



The MTX-3 Handheld Wireless Touch Screen from Crestron® delivers an exceptional remote control for home theater, home automation, and AV presentation, marrying style and ergonomics with rock-solid wireless performance and extensive customizability. Its sleek form factor is easy to hold, with large tactile pushbuttons, electroluminescent backlighting, and a fully customizable color touch screen for a wireless control solution that's both intuitive and fun to use.

Featuring 2-way wireless communications, the MTX-3 offers seamless interaction with AV and environmental systems, providing true feedback of all your settings, and displaying metadata information for all your digital media. Whether watching TV, choosing a movie or music title, adjusting room temperature and lighting, or checking the security system, the MTX-3 affords a user experience only Crestron can deliver.

### infiNET EX® Wireless Technology

Our groundbreaking infiNET EX wireless technology provides ultra-reliable 2-way communications throughout a residence or commercial structure utilizing a 2.4 GHz mesh network. A complete infiNET EX network uses the lighting dimmers and other devices throughout the structure as wireless relay stations, each receiving and passing on wireless commands to the central gateway. Every device that is added to the network effectively increases the range, strength, and reliability of the entire network by providing multiple redundant signal paths, ensuring that every button press is executed instantly and consistently.

Of course, the MTX-3 can also communicate directly with the gateway if no other infiNET EX devices are installed. Up to six MTX-3s can be assigned to a single gateway. Wireless range for each MTX-3 is 75 feet (23 meters) typical indoors, which can easily be extended using infiNET EX Expanders.<sup>[1]</sup>

### Instant-Waking®

To ensure the most transparent user experience possible, the MTX-3 has been engineered to wake instantly at the press of a button or touch of the touch screen. Button presses are sent immediately, just like an IR remote but with none of IR's limitations. So spontaneous actions like muting the audio, pausing the video, or changing the channel can be executed on-the-fly with just a single button press.

### Extended Battery Life

Instant-Waking also allows the MTX-3 to be put to sleep within seconds of putting it down, helping to extend its battery life for several days of typical usage on a single charge. Even under continuous use at full brightness, the MTX-3 lasts an incredible 5 hours! Its fast-charging, field-replaceable Lithium Polymer battery pack delivers optimum power in a very small, lightweight package.

### Tactile Pushbuttons with Backlit Text

A complement of tactile pushbuttons makes for a very intuitive user interface, providing easy access to everything needed for watching TV and movies, listening to music, and controlling the entire room. Large, widely-spaced buttons accommodate hands and fingers of all sizes, minimizing the chance of an unintended button press. Electroluminescent backlit button text affords excellent legibility for use in a darkened room.

The pushbuttons are comprised of 17 buttons designated for the most common functions, plus a 5-way navigation pad, 3 context-assignable "hard keys" beneath the touch screen, a thumb-operated "More" button for advancing through the available touch screen pages, and a system power button. Every button on the MTX-3 is fully programmable to allow precisely the control desired, whether simply adjusting audio volume and flipping through channels, controlling a DVR or DVD player, navigating onscreen setup menus, or operating a pan/tilt camera.

# MTX-3 Isys<sup>®</sup> 2.8" Handheld Wireless Touch Screen w/infiNET EX<sup>®</sup>



## Handheld Touch Screen Control

Custom touch screen versatility is afforded through a brilliant 2.8" active-matrix touch screen displaying stunning 16-bit color. Onboard graphics and dynamic text capability enable the display of all kinds of useful data and alluring eye candy—from channel preset icons—to room temperature and lighting levels—to digital media playlists complete with metadata. Full-motion animations, multimode objects, PNG translucency, and transition effects enhance the palette for creating GUIs that are both eye-catching and easy to use.

## Audio Feedback

Customized WAV files can be loaded on the MTX-3 to add another dimension to its touch screen graphics using personalized sounds, button feedback, and voice prompts.

## TableTop Docking Station

Placed on its stylish docking station<sup>[2]</sup>, the MTX-3 sits at-the-ready, able to be used as a stationary tabletop controller while charging.

## SPECIFICATIONS

### Touch Screen Display

**Display Type:** TFT active matrix color LCD  
**Size:** 2.8 inch (72 mm) diagonal  
**Aspect Ratio:** 3:4 QVGA (portrait orientation)  
**Resolution:** 240 x 320 pixels  
**Brightness:** 350 nits (cd/m<sup>2</sup>) typical  
**Contrast:** 500:1 typical  
**Color Depth:** 16-bit, 64k colors  
**Viewing Angle:** ±75° horizontal, +75/-55° vertical  
**Illumination:** LED Backlit  
**Touch Screen:** Resistive membrane

### Buttons & Indicators

**Power (top):** (1) programmable pushbutton, performs hardware reset if held for >10 seconds  
**Hard Keys:** (3) programmable pushbuttons below touch screen  
**Functions:** (15) programmable pushbuttons with white EL backlit labeling for GUIDE, HOME, LIST, MUTE, INFO, LAST, MENU, KEYPAD, EXIT, and icons for Rewind, Play, Forward, Stop, Pause, Record  
**Volume:** (1) programmable rocker button with white EL backlit Volume 'Raise' and 'Lower' icons  
**Navigation Pad:** (5) programmable pushbuttons comprising a 5-way thumbpad (4-way navigation plus "enter")  
**Up/Down:** (1) programmable rocker button with white EL backlit 'Up' and 'Down' arrows  
**More (right side):** (1) programmable thumb-operated side button  
**Charge:** (1) Green LED, indicates charging status when docked

### Memory

**SDRAM:** 128 MB  
**Flash:** 256 MB  
**Maximum Project Size:** 20 MB

### Graphics Engine

16-bit non-palette graphics; 65,536 colors; multi-mode objects; dynamic text; PNG translucency; full-motion (60 fps) animation; subpage transition effects

### Wireless Communication

**RF Transceiver:** infiNET EX<sup>®</sup> 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), IEEE 802.15.4 compliant  
**Range (typical):** 75 feet (23 meters) to the gateway or nearest mesh network device<sup>[3]</sup>, subject to site-specific conditions  
**Gateway:** Requires a CEN-RFGW-EX or MC3 infiNET EX Gateway<sup>[1]</sup>

### Audio

**Features:** Built-in speaker  
**Audio Feedback:** WAV format, 8 & 16 bit PCM, mono & stereo, 8 – 44.1 kHz sampling rates

# MTX-3 Isys® 2.8" Handheld Wireless Touch Screen w/infiNET EX®

## Connectors

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**USB (bottom):** (1) Mini Type AB female behind battery cover;  
USB computer console port, for installer use only

## Battery

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**Battery Type:** Lithium Polymer, 3.7 Volt, 1000 mAh,  
model TPMC-3X-BTP included  
**Usage per Charge:** 5 hours continuous at full brightness  
**Charging Time:** 2 hours  
**Cycle Life:** >300 cycles (80% capacity)

## Power Requirements

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**Power Pack:** 1.2 Amps @ 5 Volts DC;  
100-240 Volts AC, 50/60 Hz power pack, model PW-0510WU included

Note: Power connection made via the MTX-3-DS docking station/charger<sup>[2]</sup>

## Environmental

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**Temperature:** 32° to 104°F (0° to 40°C)  
**Humidity:** 10% to 90% RH (non-condensing)  
**Heat Dissipation:** 20 BTU/Hr

## Enclosure

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**Construction:** Injection-molded plastic, integral docking station port

## Dimensions

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**Height:** 1.04 in (27 mm);  
2.22 in (57 mm) docked  
**Width:** 2.55 in (65 mm);  
2.99 in (76 mm) docked  
**Depth:** 7.94 in (202 mm);  
7.84 in (199 mm) docked

## Weight

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6.6 oz (185 g) including battery

## MODELS & ACCESSORIES

### Available Models

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**MTX-3:** Isys® 2.8" Handheld Wireless Touch Screen w/infiNET EX®

### Included Accessories

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**MTX-3-DS:** TableTop Docking Station (Qty. 1 included)  
**PW-0510WU:** Wall Mount Power Pack 5VDC, 1.2A, Universal  
(Qty. 1 included)  
**TPMC-3X-BTP:** Battery Pack (Qty. 1 included)

### Available Accessories

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**CEN-RFGW-EX:** infiNET EX® Wireless Gateway  
**MC3:** 3-Series Control system™ w/infiNET EX® Wireless Gateway  
**CLW-EXPEX-GD-W-T:** infiNET EX® Wireless Expander

#### Notes:

1. Requires [CEN-RFGW-EX](#) or [MC3](#) infiNET EX gateway, which supports up to 100 infiNET EX network devices inclusive of up to 6 MTX-3 remotes. Additionally, up to 5 [CLW-EXPEX](#) infiNET EX Expanders may be added to the network for extended range. All gateways and expanders are sold separately.
2. Item included. See separate product specifications for additional details.
3. Any infiNET EX mesh network device that provides expander functionality will effectively extend the range of the wireless network beyond the initial range of the gateway. Battery-powered infiNET EX devices do not provide expander functionality. A dedicated infiNET EX Wireless Expander, model CLW-EXPEX is also available.

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.

Specifications subject to change without notice. Crestron is not responsible for errors in typography or photography.

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

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