

# Crestron ML-500

## MiniLCD Handheld Remote

The ML-500 MiniLCD is a handheld RF remote that features a customizable LCD display, a 5-way thumb pad controller, and an intuitive array of pushbuttons designated for a variety of common AV functions. But Crestron designed the ML-500 to go beyond conventional home theater and AV system control, extending domain over lighting, climate, security, and more as part of a complete Crestron system. Its compact size and ergonomic design offer easy one-handed operation.

**Clear Display**—The large, easy-to-read LCD screen supports the creation of numerous pages of custom functions and favorites, all executable using a set of ten corresponding “soft” buttons. Three additional buttons are included for fast menu page selection. Any of the ten functions, or “Groups” provided on the Main menu page can be assigned to access up to four additional Option pages. Additionally, up to 5 pages of Favorites can be configured.

Adjustable LCD contrast and switchable electroluminescent blue backlighting ensure optimal visibility in a range of lighting environments. While drawing very little power, the menu commands remain active and ready on the screen at all times. When battery levels are low, a “Low Battery” message is displayed when pressing the Power button allowing for timely replacement of batteries. Non-volatile memory ensures that programming is retained when batteries are low.

**Tactile Response**—The buttons on the ML-500 feature a glossy, domed, firm rubber treatment with a sleek translucent appearance and secure tactile response. Backlighting of every button facilitates control in a darkened room. An optimized button layout enables easy access to every system function, with 27 programmable buttons labeled for power, volume, mute, channel selection, transport control, and numeric entry.

The ML-500's intuitive 5-way thumb pad affords effortless cursor control for navigation of onscreen menus and other functions.

**High Performance RF Wireless**—Crestron's proven RF wireless technology affords an operational range of up to 200 feet with complete freedom of movement without the line-of-sight limitations of IR (infrared). The ML-500 is capable of communicating with any Crestron control system via 1-way RF using the CNRFGWA-418 gateway. Range is easily extended by distributing multiple gateways throughout a structure.

The ML-500 is also ideal for use with Crestron's MC2W integrated wireless control system, providing a cost-effective yet powerful room control solution.

- > *Ergonomic handheld design*
- > *Large programmable LCD screen flanked by 10 “soft” buttons*
- > *3 LCD menu navigation buttons*
- > *27 programmable function buttons*
- > *2 programmable power buttons*
- > *5-way thumb pad for OSM navigation*
- > *EL backlighting of LCD screen and buttons*
- > *418 MHz 1-way RF communication*
- > *Long-range wireless operation up to 200 feet*
- > *Operates on 4 AAA alkaline batteries*
- > *Compatible with CNRFGWA-418 and MC2W gateways*



### SPECIFICATIONS

#### LCD Screen

2.1 x 1.4 in (5.33 x 3.56 cm), 2 color, adjustable contrast, backlit; (10) labels, 5 characters each

#### Buttons and Controls

**ON/OFF:** (2) programmable power function buttons

**“Soft” Buttons:** (10) buttons actuate LCD menu commands

**Menu Navigation:** (3) buttons select LCD menu pages

**Device Control:** (27) programmable function buttons labeled for volume, mute, channel, onscreen menus, transport control, and numeric entry

**Thumb Pad:** (1) 5-way thumb pad for onscreen menu navigation

**LIGHT:** (1) button turns backlighting on/off

#### Backlight

Switchable electroluminescent backlighting for LCD screen and pushbuttons; Automatic shutoff after 15 seconds

#### Wireless

**RF Transmitter:** 418 MHz 1-way RF

**Bandwidth:** ±100KHz

**Range:** Up to 200 feet

CNRFGWA-418 or MC2W gateway/receiver required

#### Connectors

**PC:** (1) 3.5mm TRS mini phone jack female

RS-232 serial connection to PC for loading program;

Programming cable included, 3.5 mm TRS mini phone plug to DB9 female

#### Power Requirements

**Battery:** 6 VDC (Four 1.5V AAA alkaline batteries included)

#### Enclosure

High impact rubberized plastic

#### Environmental

**Temperature:** 50° to 113° F (10° to 45° C)

**Humidity:** 10% to 90% RH (non condensing)

#### Dimensions

**Height:** 9.06 in (23.00 cm)

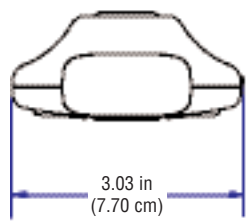
**Width:** 3.03 in (7.70 cm)

**Depth:** 1.40 in (3.56 cm)

#### Weight

8 oz (0.23 kg) with batteries

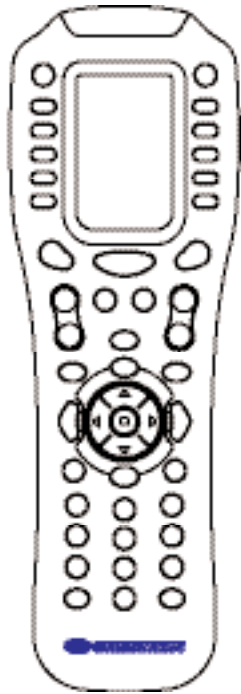
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Top View



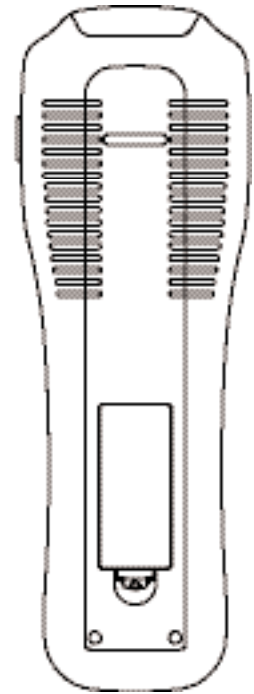
Bottom View



Front View



Right Side View



Rear View

## AVAILABLE ACCESSORIES



**CNRFGWA-418**  
1-way 418 MHz RF  
Gateway/Receiver



**MC2W**  
Control System with Integrated RF Gateway