

HH-218 Handheld Remotes (DO-218, DO-218-DIS, OO-218, OO-218-DIS)

Features

- ✓ OO Models: Individual On and Off buttons with 16-Function Button Control
- ✓ DO Models: An ON/OFF Button with 17-Function Button Control
- ✓ 2.4 GHz Direct Sequence Spread Spectrum Technology (DSSS) at 2 mW RF Power
- ✓ Rugged High-Impact Polymer/Polycarbonate/Stainless Steel Enclosure
- ✓ Direct-Line-of-Sight Operation
- ✓ LED Status Indicators
- ✓ 2-Line, 16-Character LCD Display
- ✓ Powered by Four AA Batteries
- ✓ Removable Protective Bumper and Lanyard
- ✓ Weatherproof Design



The SmaRT HH-218 handheld remotes are 18-button remote control units that operate in the 2.4 GHz range @ 2 mW of radio frequency (RF) power using Channel-Hopping Direct Sequence Spread Spectrum (DSSS) technology. The OO-218 models have individual On and Off buttons with custom factory configuration of up to sixteen additional function control channels. DO-218 models have an a single On/Off button allowing custom configuration of seventeen function control channels. OO and DO display models have optional two line, 16-character LCD displays that provide visual feedback and enhanced setup features, including operator adjustable contrast and backlighting of the display. The handheld enclosure is constructed of rugged high-impact polymer. A securely attached stainless steel faceplate provides additional ruggedness. The optional bumper or leather holster provides further protection. A removable lanyard is also available.

The SmaRT 18-button handheld remotes provide a robust link in congested radio environments and works with a wide variety of SmaRT base units. SmaRT handhelds feature seamless association to SmaRT base units without the need to open either the handheld or base unit case.

Specifications

Enclosure

Dimensions	9 $\frac{3}{16}$ " x 3 $\frac{13}{16}$ " x 1 $\frac{3}{8}$ " 233.36 mm x 96.84 mm x 34.93 mm
(Sleeve)	10.75" x 4.5" x 1.375" 273.05 mm x 114.3 mm x 44.45 mm
Total Weight	15.2 oz. (430.9 g)
Durability	High impact polymer case Polycarbonate faceplate Stainless steel faceplate

Environment

Operating Temp	-20° C to 55° C (-4° F to 131° F)
Storage Temp	-20° C to 55° C (-4° F to 131° F)
Humidity	0 to 100%

Control Functions (18-Pushbuttons)

OO-218/218-DIS	Green ON, Red OFF; 16 function
DO-218/DO-218-DIS	Green ON/Off; 17 function
Button Life	5-million operations (typical)

Radio

Frequency	2405–2480 MHz
RF Power	2 mW
License	None required
Modulation	Channel-Hopping DSSS
Antenna	Internal
Power	
Batteries	Four "AA" Cell
Auto-shutdown	15 min. of button inactivity (default)

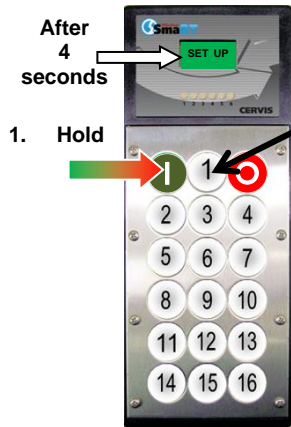
LED Indicators (Three Active)

Green	Flashing: Transmit Solid: Button press (switch active)
Amber	Flashing: Message received Solid: Active base unit output
Red	Used during Association

LCD Display (OO-218-DIS, DO-218-DIS)

Lines	Two
Characters	Eight characters max. per line

Display Menu Examples



2. Press and hold to page through the menus. Release while still holding the ON button to remain on a particular menu.
3. Press once to page to the next menu, or press and hold to scroll through.

MENU



Out of Range Example



Infinite Timeout Example



✓ **Note:** Releasing the ON button at any time exits the setup menus.

SmaRT HH-218 Handheld Remotes

Model	Freq.	RF Power	Umbilical	Display	Attachment	Power Source	Status LEDs
OO-218	2.4 GHz	2 mW	No	No	Lanyard	4-AA Cell	Yes
OO-218-DIS	2.4 GHz	2 mW	No	Yes	Lanyard	4-AA Cell	Yes
DO-218	2.4 GHz	2 mW	No	No	Lanyard	4-AA Cell	Yes
DO-218-DIS	2.4 GHz	2 mW	No	Yes	Lanyard	4-AA Cell	Yes

Custom Configurations by Request