

In late 2016 Channel 28 were requested by a Yacht management company to develop a high-quality service call button for simple integration onto new and existing vessels. The buttons were to offer feedback with haptic buzzer and coloured LED ring in a variety of different finishes.

The Morse⁵ buttons are an 100mm diameter button with an 8mm acrylic ring. The centre button is a 35mm diameter piezo switch which operators on a simple push or tap. The outer buttons are 12mm diameter and recessed into the outer shoulder. The whole unit is sealed to IP67.

The Morse⁵ button uses the yacht's Wi-Fi to connect to a number of head end (control) servers such as:

- Crestron Control Systems - Modules freely available for Series 3 processors
- Channel 28 cState Secure Crew UHF systems

Apple iPhone / iPod Touch - either dedicated or yacht's own (requires internet connection)

MORSE BUTTON SPECIFICATIONS

Chassis Standard Finishes	Polished / Brushed Stainless Polished Anodised Aluminium Bead Blasted Matt Anodised Aluminium RAL Coloured High Gloss Finishes
Centre Button Finish	Machined Stainless Steel
Outer Button Finish	Machined Stainless Steel
Specialist Finishes (costed to suit) (chassis and button)	Gold, Silver or Nickel Plating PVD Coating Other options costed on request
Laser Marking	Bespoke marking with micro-sandblast finishing to chassis top and/or centre button available on request in some finishes. Cost subject to order quantity and artwork.
LED Ring	8mm frosted acrylic 6 LEDs individually controllable Animated (fade / rotate) effects 65k colours controllable by server
Motion Indication	3V Haptic Motor
Diameter	ø100mm
Height	45mm
Weight	Stainless 750g Brass 790g Aluminium 550g
Wi-Fi Spec	2.4-GHz IEEE 802.11 b/g tx/rx
SSID	User specified
Power Source	CR2 3V Lithium Manganese Dioxide Battery
Typical standby power usage	< 10 µA / < 30 µW
Typical Battery Life (calc)	1-year normal use
Delivery Server Support	Modules freely available for Crestron 3 or 4 series processors
Support for iPhone / iPad delivery	iPhone / iPad App available for Service call delivery to iPad (e.g. pantry) and/or iPhone or iPod Touch

