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.
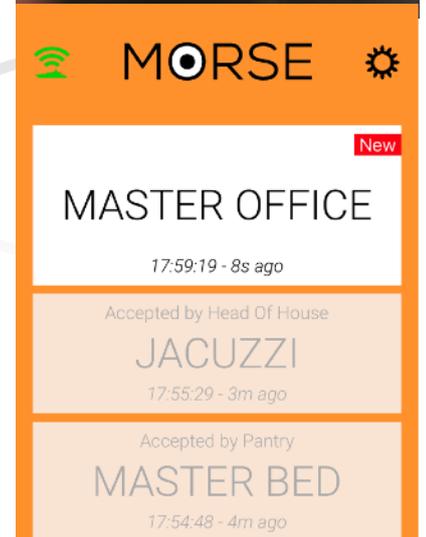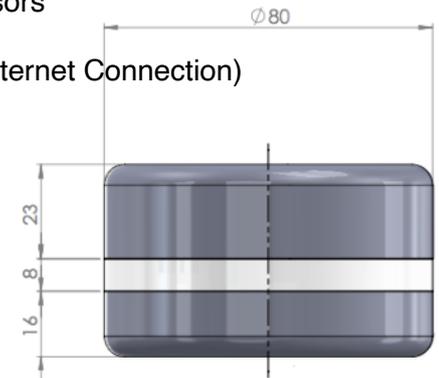
The Morse buttons are an 80mm diameter button with an 8mm Acrylic Ring. The button is a 35mm diameter piezo switch which operators on a simple push or tap. The whole unit is sealed to IP67

The Morse button uses the yacht's WiFi to connect to a number of head end 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 / Brushed Brass Polished Anodised Aluminium Bead Blasted Matt Anodised Aluminium RAL Painted High Gloss Paint Finishes
Button Finish	Machined Stainless Steel
Specialist Finishes (costed to suit) (chassis and button)	Gold Plating Silver Plating Nickel Plating Other options costed on request
Engraving / Black Laser Marking	Bespoke Engraving with micro-sandblast finishing to chassis top and/or button available on request. 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	ø80mm
Height	45mm
Weight	Stainless 650g Brass 690g Aluminium 450g
Wifi Spec	2.4-GHz IEEE 802.11 b/g tx/rx
SSID	User specified (V1 Morse not to include spaces)
Power Source	CR2 3V Lithium Manganese Dioxide Battery
Typical standby power usage	$< 10\ \mu A\ /\ < 30\ \mu W$
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 (eg pantry) and/or iPhone or iPod Touch

Ø 80

23

8

16

MORSE

MASTER OFFICE
New
17:59:19 - 8s ago

Accepted by Head Of House
JACUZZI
17:55:29 - 3m ago

Accepted by Pantry
MASTER BED
17:54:48 - 4m ago

Gallery of Typical Finish Options:

Gloss White

Polished Stainless
Engraved button / Rim

Matte Anodised , Engraved Buttons

Gold / Silver Plated
(inc Plated Buttons)

High Gloss Lacquer
RAL Colours
Metallic Finishes