

BMAC PRODUCT SPECIFICATION

PATTERN SERIES:	42x	ISSUE	3
DESCRIPTION:	Wireless Bell Push	DATE:	8-10-18
CUSTOMER:	Any	MOD REQ:	7812
CONTRACT/CLASS:	Any	SECTION:	A.6.1
AUTHORISATION:	<i>Michael C Russell</i>	PAGE 1 OF 7	

422-01 Installation Procedure for 868Hz Wireless Bell Push System

The wireless receiver interface module has 4 independent output channels, (CH0, CH1, CH2 & CH3), that can be connected to the different Bell Push zone inputs of the vehicle controller. Typically, this would be Lower Deck, Lower Saloon and Wheelchair request. This leaves 1 spare channel. A maximum of 30 Bell Pushes can be assigned across the 4 channels.

Each channel has an open collector output that will be grounded, less than 0.2 volts, when a channel is operated. Each channel output should be connected to the relevant zone input of the vehicle controller.

Each Bell Push must be assigned to a zone or channel before fitting to the vehicle. This must be done with each Bell Push in relatively close proximity to the receiver, less than 5m

Receiver Unit Identification

Clear Button

Learn Button

Channel Indicators	
CH0	Channel 0
CH1	Channel 1
CH2	Channel 2
CH3	Channel 3

LED6 Power LED

Learn Mode Indicator

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Setting the Power Supply



Test Bench Set Up

- Set power supply to 24 volts.
- Set current limit to 0.20 amps.
- Connect 6-way connector from test box to module under test.
- Switch on power supply – LED6 Power LED should be lit

Vehicle Set Up

- Connect 6-way connector to the (24V) vehicle's wiring harness.
- Switch on power supply – LED6 Power LED should light.

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Learning Bell Push to Channel 0 (CH0) Step 1



Press the Learn button on the receiver until the Learn Mode Indicator lights.



CH0 Indicator should start flashing. Press the Learn Button again, CH1 should start flashing

Learning Bell Push to Channel 0 (CH0) Step 2



Press the Bell Push button. ***This must be done within 30 seconds of CH0 starting to flash*** CH0 should remain on steady for approximately 4 seconds



Wait until CH0 starts to flash. A Bell Push is now programmed to CH0. Repeat to program more Bell Pushes to CH0.

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Learning Bell Push to Channel 1 (CH1) Step 1

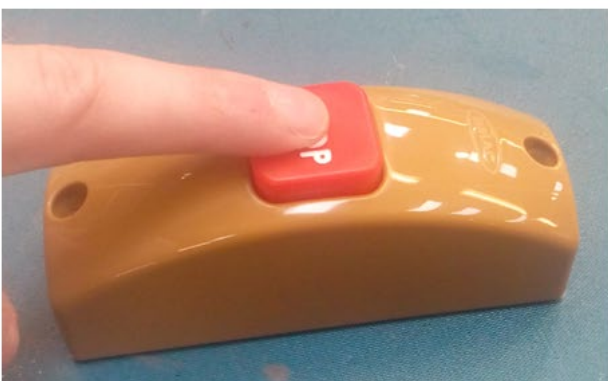


Press the Learn button on the receiver until the Learn Mode Indicator lights.



CH0 Indicator should start flashing. Press the Learn Button again, CH1 should start flashing

Learning Bell Push to Channel 1 (CH1) Step 2



Press the Bell Push button. ***This must be done within 30 seconds of CH1 starting to flash*** CH1 should remain on steady for approximately 4 seconds



Wait until CH1 starts to flash. A Bell Push is now programmed to CH1. Repeat to program more Bell Pushes to CH1.

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Learning Bell Push to Channel 2 (CH2) Step 1



Press the Learn button on the receiver until the Learn Mode Indicator lights.



CH0 Indicator should start flashing. Press the Learn Button twice to cycle through CH1. CH2 should start to flash.

Learning Bell Push to Channel 2 (CH2) Step 2



Press the Bell Push button. ***This must be done within 30 seconds of CH2 starting to flash*** CH2 should remain on steady for approximately 4 seconds



Wait until CH2 starts to flash. A Bell Push is now programmed to CH2. Repeat this to program more Bell Pushes to CH2.

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Learning Bell Push to Channel 3 (CH3) Step 1



Press the Learn button on the receiver until the Learn Mode Indicator lights.

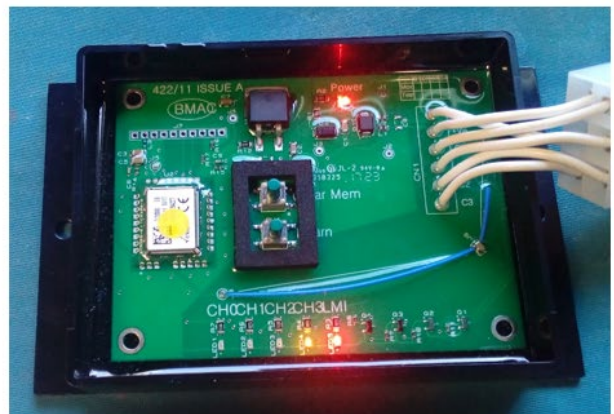


CH0 Indicator should start flashing. Press the Learn Button twice to cycle through CH1 & CH2. CH3 should start to flash

Learning Bell Push to Channel 3 (CH3) Step 2



Press the Bell Push button. ***This must be done within 30 seconds of CH3 starting to flash*** CH3 should remain on steady for approximately 4 seconds



Wait until CH3 starts to flash. A Bell Push is now programmed to CH3. Repeat this to program more Bell Pushes to CH3.

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Clearing All Learnt Bell Pushes



Press and hold the Clear Button on the receiver until the Learn Mode Indicator lights and CH0 starts to flash.



Press the Learn Button three times to Cycle through CH1, CH2 & CH3. The Learn Indicator will switch off. All programmed Bell Pushes to the receiver will be cleared.