

HUD-2R-RMT-LR configured to work as a 726R - Legacy Mode

Introduction

The HUD-2R-RMT-LR is a body-worn hold-up alarm device for use on Scantronic receivers and i-on systems.

Each HUD-2R-RMT-LR has a unique electronic identity and can be assigned to a specific user on i-on systems.

Compatibility

The HUD-2R-RMT-LR is compatible with Scantronic Secure Radio (SSR) and Eaton/ Scantronic 868MHz (legacy mode) radio expanders.

This guide is for configuring the HUD-2R-RMT-LR for use as a 726R PA Transmitter in Legacy Mode only

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**HOLD UP
BUTTONS**

**BUTTON
LOCK**

**TOP
BUTTON**

A diagram within a rectangular border showing three button types. At the top are two orange oval buttons, each with three horizontal lines. Below them is a black oval button with three horizontal lines. At the bottom is a grey rectangular button.

**PRESS AND HOLD
BOTH HOLD UP
BUTTONS AND
TOP BUTTON TO
ENTER
CONFIGURATION
MODE**

A diagram within a rectangular border showing the same three button types as the previous diagram: two orange oval buttons with three horizontal lines, one black oval button with three horizontal lines, and one grey rectangular button.

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Configuring the HUD-2R-RMT-LR for 726R Legacy Mode

1. Press and hold the top button and both hold up buttons at the same time for 8 seconds - you should get a continuous beep and 2 **red** flashes.
2. Release all buttons - **red** LED will flash twice every second for 10 seconds
3. During this 10 second phase, press and hold both hold up buttons until the LED flashes **orange** once every second - then let go of both hold up buttons.
You are now in SSR Mode and Programming mode.

To change the device to a legacy 726R transmitter:-

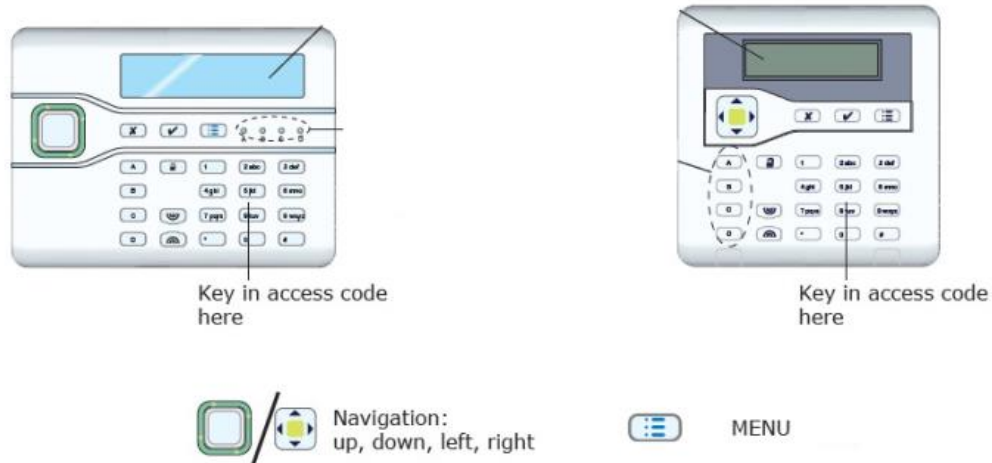
1. Momentarily press and release both hold up buttons. **Two orange flashes** would indicate Legacy 726R mode.
2. Press and hold both hold-up buttons until you see the LED **flash green twice**. The mode is configured.



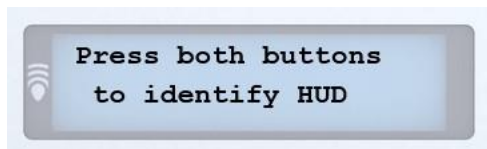
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Learning a HUD-2R-RMT-LR to an i-on Radio System

1. Take the HUD-2R-RMT-LR to a keypad.

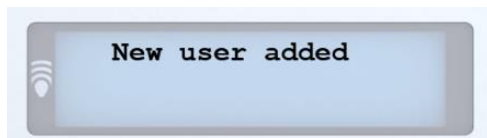


2. Enter User menu> Press Menu Key then enter User Code.
3. Using the Navigational key scroll to Users then Press Tick.
4. Select add or edit a user, and when prompted.....press both hold up buttons button.



The keypad beeps to indicates success.

5. Press Tick to every other device option. You should see...



7. Press the X Key to exit User Menu.

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i-on Operation

The system does not need to be set to start a hold-up alarm.

To generate a hold-up alarm, press both hold-up buttons simultaneously.

When starting a hold-up alarm:

In legacy 726R mode, the LED flashes **red** six times to confirm transmission.

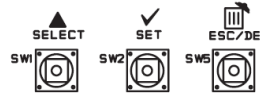
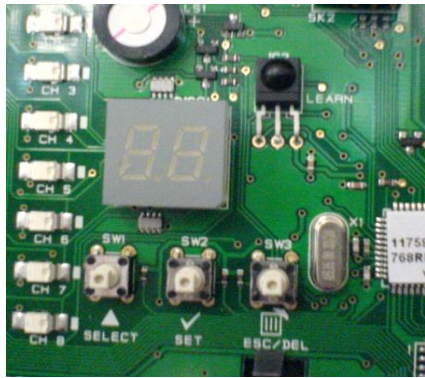
The i-on Keypad should display eg:



The keypad will require a user to acknowledge the alarm. The system can then be reset.

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Learning a HUD-2R-RMT-LR to 762R / 768R Receivers



Disable the infra-red (IR) learn on the 762R/768R receiver:-

1. Press **SELECT** multiple times to display **lr**
2. Press **SET**. Press **SELECT** until you see **d** and then press **SET**. A double-beep is sounded, and **lr** is displayed again



Put the 762R/768R Receiver in learn mode:-

1. Press **SELECT** multiple times to display **Ln** and press **SET**.
2. An available channel will be displayed- Either C1 (Channel 1) or C2 (Channel 2) Press **SELECT** to choose your desired channel eg; C1



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3. Press **SET**. 'S- C1- d-' is displayed. The receiver is now searching for a radio signal.

A digital display showing the text 'S- C1- d-' in red characters on a black background. The characters are spaced out across three segments.

Press both hold up buttons at the same time
The receiver should beep twice to indicate
the transmitter has been learnt on.

Escape from learn mode on the receiver:-

1. Press **ESC** . Display will revert to **Ln**
2. Press **SELECT** until GO is displayed.
3. Press '**SET**' – '**CL**' is displayed and receiver beeps. Close the lid to exit programming.

A digital display showing the text 'Ln' in red characters on a black background.A digital display showing the text 'GO' in red characters on a black background.A digital display showing the text 'CL' in red characters on a black background.

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Operation

762R:

A PA activation will transmit to a channel (eg; CH1) and activate the corresponding relay:-



768R:

A PA activation will transmit to a channel (eg: CH1) and activate the A relay (or corresponding relay if 8600 Relay Card is being used)



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Fault Finding

The HUD-2R-RMT-LR does not learn on to a user.

- Repeat the legacy mode configuration steps.
- Ensure the i-on system has radio capability.

The HUD-2R-RMT-LR does not learn on to a channel on the receiver.

- Repeat the legacy mode configuration steps.
- Ensure infra-red mode is disabled.
- Ensure there is a free channel on the receiver.
- Ensure there are no 'two channel' devices already learned on to the 762R receiver.

The HUD-2R-RMT-LR does not operate when activated

- Ensure the Button lock is down - Sliding the button lock upwards prevents operation of the hold-up buttons.

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Specifications

Compatibility: Min. control unit firmware v7.03.02 for legacy, or v8.00 for SSR. For communication with a radio expander, also use min. radio expander firmware v3.03 for legacy, or v5.07 for SSR.

Power supply: Type C.

Battery: 1 x non-replaceable Lithium 3.6Vdc; low battery warning 2.7Vdc; low battery restore 2.8Vdc; typical life 5 years.

Current: 5 μ A quiescent; 20mA max.

Radio: 868.0-868.6MHz G2FSK (SSR); 868.6625MHz G2FSK (legacy); range up to 900m in free space; 10mW power.

Relative humidity: 0-95%, non-condensing.

Operating temp: -10 to +55°C.

Dimensions (HxWxD): 170 x 45 x 30 mm.

Weight: 68g (inc. battery).

Security grade: Grade 2.

Environmental class: Class II.

Standards: EN 50131-5-3:2017; PD 6662:2017.

Please note the above is not an official Eaton Security Business document it has been written as an aid-memoir for the author. The information is believed to be correct but as with all programming and set-ups the system should be tested on site to ensure correct operation. This document may be subject to change without notification, please check for updates. Please feel free to report any errors or omissions. Awc112025