

### User Guide

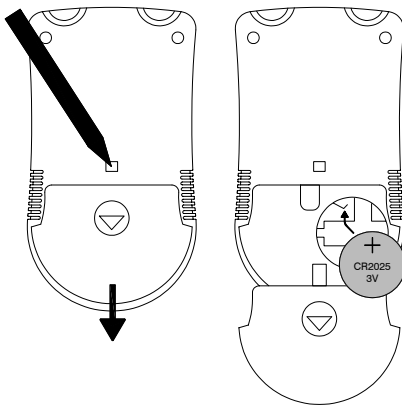
**Note:** This user guide describes setup and operation of the **PL-5** with reference to the **PL-4** wall plate and an **iDR** system. The **PL-5** may also be used with the **PL-12** wall plate for remote control of a **GR2** audio zone mixer. Please see **PL-12** user guide **AP6506** for further details of this application.

PL-4



**Introduction** The **PL-5** is a stylish and compact battery powered hand held remote controller for use with the Allen & Heath **PL-4** wall plate which is equipped with an IR (infra-red) sensor. It has 14 user programmable buttons. Typically, these would be programmed by the installer as a combination of volume up/down, signal mute, source and patch select for convenient control by the day-to-day operator. The button layout and markings suit most typical applications. If required, the installer can create a custom label to adhere to the controller surface. The **PL-5** always sends out the same button codes. The associated iDR function is independently programmed for each **PL-4** wall plate using the iDR System Manager software. This means that the same remote can trigger different functions in different rooms. For example, the remote could be used for local volume control of different zones in different rooms, or select different sources in different rooms.

PL-5



**Removing the protective film** Before using the controller peel off the plastic film that protects the top surface.

**Replacing the battery** The **PL-5** uses a CR2025 3V lithium battery. A battery is supplied with the unit. To install or replace the battery first remove the battery compartment cover. Use a pointed object to press in the cover clip. Slide the cover off. Insert the battery with + (plus) side up in the direction shown to make contact with the spring terminal. Slide the cover on until it clips in place.



This product complies with the European Electromagnetic Compatibility directives 89/336/EEC & 92/31/EEC.

**NOTE:** Any changes or modifications to the equipment not approved by Allen & Heath could void the compliance of the equipment. Whilst we believe the information in this guide to be reliable we do not assume responsibility for inaccuracies. We also reserve the right to make changes in the interest of further product development.

### IMPORTANT :

**WARNING:** Do not subject the **PL-5** to heat or moisture. Do not place it near heat sources such as radiators, stoves, heat exchangers or other appliances that produce heat.

**CAUTION:** Danger of explosion if the battery is incorrectly replaced. Replace the battery with the same or equivalent type. Do not incinerate. Dispose of old batteries in an environmentally friendly manner.

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**NOTE:** Do not install the **PL-4** wall plate in a position subject to bright sunlight. This may reduce the effectiveness of the IR signal.

**How it works** Pressing a **PL-5** button transmits a code to the **PL-4** wall plate. Each button transmits a unique code according to which of the 14 buttons is pressed. All **PL-5** controllers generate the same set of codes. These are chosen to limit interaction with other equipment in the room. The IR (infra-red) sensor in the **PL-4** wall plate detects the signal and sends the code to the iDR main unit. The iDR responds according to the function programmed by the user for that button detected by that particular wall plate.

The function associated with each button press is programmed independently for each **PL-4** wall plate. This means that the same **PL-5** controller can be used to trigger different functions in different rooms, or that several operators can each have their own controller to operate the functions in any room.

The **PL-5** controller transmits a directional beam of infra-red light. This is detected by a sensor in the **PL-4** wall plate when the controller is pointed at it and a button pressed. Typical maximum operating distance is around 10 metres (33') in a normally lit room. This is reduced if the **PL-4** is subject to sunlight.

**How it is used** The **PL-5** hand held controller uses the **PL-4** wall plate as a gateway to communicate with the iDR main unit. One or more rooms in an iDR installation may have a **PL-4** installed. Each can be independently programmed to respond to the controller button presses in the required way.

For example, Room 1 may use iDR output 1 as its local audio feed, and Room 2 may use iDR output 2. The **PL-4** in Room 1 may be programmed so that pressing  $\Delta$  or  $\nabla$  on the controller increases or decreases the level of output 1. The **PL-4** in Room 2 may be programmed so that the same controller buttons increase or decrease the level of output 2 rather than output 1. This provides local volume control using the same controller in different rooms.

Similarly, buttons 1 to 5 may be programmed using patch recall to select different sources. Each **PL-4** may be programmed to work with different sources according to the room. The operator simply uses the controller buttons 1 to 5 to select the source appropriate for each room that he/she is in.

It is not usual to install more than one **PL-4** wall plate per room. However, it may be useful to have two in a large room, providing the convenience of control at either end. In this case we advise that the programmed infra-red controller functions are the same or related. This avoids problems with both wall plates picking up the IR at the same time due to reflections in the room.

The buttons are marked  $\Delta$  and  $\nabla$ , + and -, 1 to 5, one with red border, and a further four unmarked. These should satisfy most typical requirements. For example, you could use  $\Delta$  and  $\nabla$  for volume up/down, + and - to scroll through different sources, + and - to adjust the tone (equalisation) through patch changes, 1 to 5 or the unmarked keys for source select or system patch changes, and the red key for local audio mute or standby.

**The PL-4 wall plate** In addition to the IR sensor, this includes wall plate mounted switches, LEDs and a rotary control which can be separately programmed. For example, the LEDs could be used as status indicators for functions selected using the **PL-5** controller.

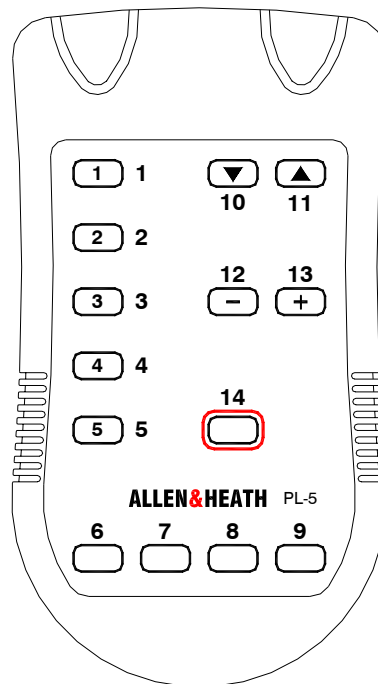
## Programming the button functions

The function is programmed using the iDR System Manager software. For further details refer to the Help file that comes with the software. Program the function for each **PL-4** wall plate in the system. Use the **PL-4** Wallplate Settings, Infra-red window. A simulation window is also provided for testing the system.



Select the control number for the button you want to program. The buttons are numbered 1 to 14 as shown below. Available functions for each button are:

- Level up/down (I/P, O/P, X/P)
- Group level up/down (I/P, O/P)
- Mute toggle (I/P, O/P)
- Polarity toggle (I/P, O/P)
- Monitor select (I/P, O/P)
- Patch recall



**Labelling the buttons** If required, the installer can adhere a custom label to the controller surface. We advise that this is made using a strong, waterproof and dirt resistant material. The drawing above is 1:1 and may be used as a template. For reference the top to bottom dimension of the keypad area is 60mm.

**Technical support** For further information refer to the iDR System Manager software Help file, the Allen & Heath web site [www.allen-heath.com](http://www.allen-heath.com), or contact technical support.