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ALLEN&HEATH
**ALLEN AND HEATH
IP4 Push All The
Right Buttons**

ALLEN AND HEATH IP4 Push All The Right Buttons User Guide

Contents

ALLEN&HEATH

ALLEN AND HEATH IP4 Push All The Right Buttons

IMPORTANT – Read before starting

Safety instructions

Before starting, read the Important Safety Instructions printed on the sheet supplied with the equipment. For your own safety and that of the operator, technical crew and performers, follow all instructions and heed all warnings printed on the sheet and on the equipment panels.

System operating firmware

The function of the IP Remote Controller is determined by the firmware (operating software) that the mixing system runs. Firmware is updated regularly as new features are added and improvements made.
Check **www.allen-heath.com** for the latest version of mixer or AHM firmware. AHM requires firmware V1.52 or higher to work the IP4. Support of IP4 for dLive and Avantis coming soon.

Software licence agreement

By using this Allen & Heath product and the software within it you agree to be bound by the terms of the relevant End User Licence Agreement (EULA), a copy of which can be found at **www.allen-heath.com/legal**. You agree to be bound by the terms of the EULA by installing, copying, or using the software.

Further information

Please refer to the Allen & Heath website for further information, knowledgebase and technical support. For more information on mixer or AHM processor setup and mixing functions please refer to the respective guides available for download at **www.allen-heath.com**.
Check for the latest version of this Getting Started Guide.
You can also join our Allen & Heath Digital Community to share knowledge and information with other users.

General precautions

- This product must be installed by a professional installer or qualified engineer.
- Protect the equipment from damage through liquid or dust contamination.
- Clean the equipment with a soft brush and dry lint-free cloth. Do not use chemicals, abrasives or solvents.

- It is recommended that servicing is carried out only by an authorised Allen & Heath agent. Contact details for your local distributor can be found on the Allen & Heath website. Allen & Heath do not accept liability for damage caused by maintenance, repair or modification by unauthorised personnel.

Register your product
Register your product online at **www.allen-heath.com/register**

Packed items

- Check you have received the following:
- IP4 Remote Controller
- QR Code Card

Safety Sheet1.Introduction

The IP4 is part of the Allen & Heath IP Series of remote controllers. It interfaces with the AHM system via standard TCP/IP Network connections and can therefore be networked with other controllers, computers and third party devices using standard Ethernet infrastructure. It is powered over Ethernet (PoE).
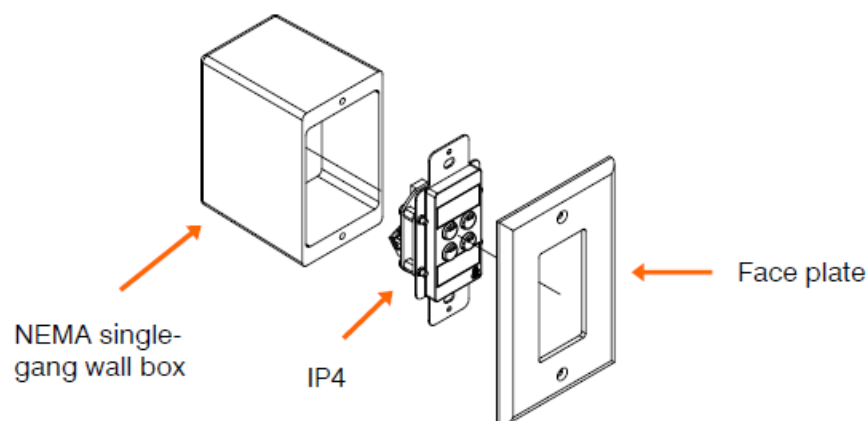The IP4 controls and functions are programmed using the AHM System Manager software and can suit a number of applications including:

- Source selection, for example for background music.
- Scene / Preset selection, for example to recall different room configurations.
- External/IP control.
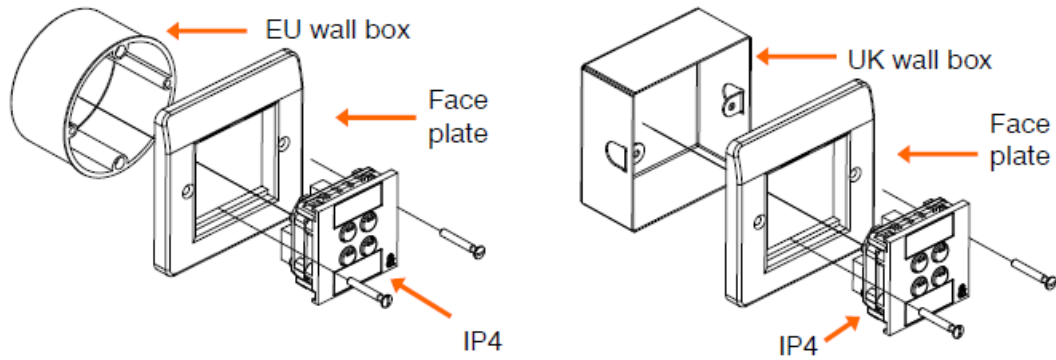- Level Up/Down.
- Mute control.

Mounting the Remote Controller

IP4 /US
This model fits standard US single-gang electrical boxes (NEMA WD-6 standard) with a minimal depth of 25mm. It accepts Leviton Decora and compatible face plates. Refer to the instructions of the face plate and/or wall box for screw specification and mounting.
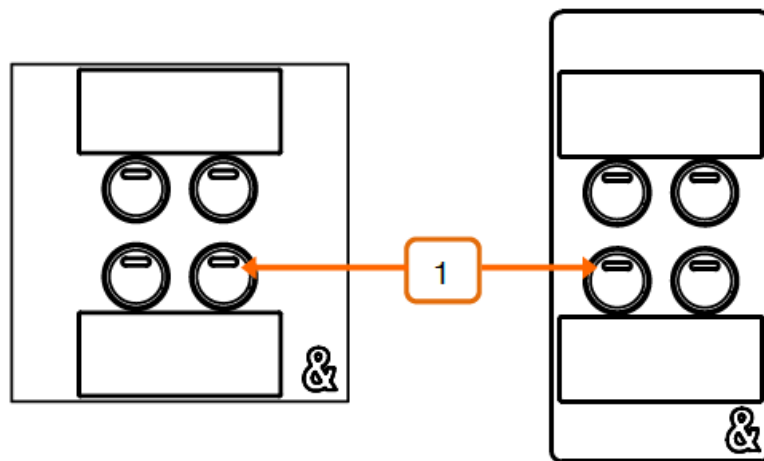

NEMA single-gang wall box

IP4

Face plate

IP4 /EU
This model fits standard UK wall boxes (BS 4662) and European wall boxes (DIN 49073) with a minimal depth of 30mm and Honeywell / MK Elements or compatible plates. Refer to the instructions of the face plate and/or wall box for screw specification and mounting.

Front Panel

1. Illuminated Buttons – Available functions include Level Up/Down, Mute, Source Selector, External & IP Control, Scene / Preset Select, Room Control.
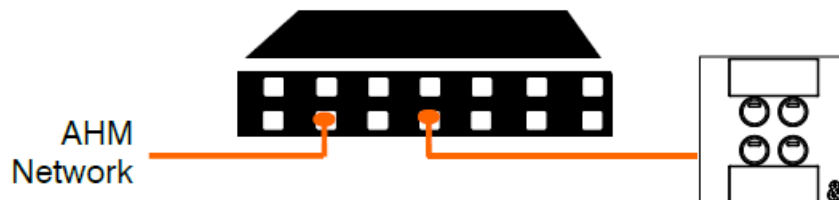

Connection and configuration

- The IP4 provides a Fast Ethernet, PoE compliant network port for connection to the mixing system.
- The maximum cable length is 100m. Use STP (shielded twisted pair) CAT5 or higher cables.

System connection
Connect the IP4 and the AHM Network port to the same PoE network switch using a CAT5 cable up to 100m long.

At power up, the IP4 button LEDs will display any assigned function that has been set for the unit after a few seconds.

- If the firmware in a connected IP Remote Controller is not the same version as that in the mixing system, then the host mixer or processor will automatically update the IP firmware at power up.
- Either of the two PoE standards 802.3af (15.4W at source) or 802.3at (25.5W at source) is suitable. Check that the overall power rating is enough to provide for all IP Remote Controllers you wish to connect (allow 5W per

IP4 unit).

Set up the unit Name and IP Address

When connecting multiple IP Remote Controllers to the same network, ensure each unit is set to a unique Name and IP Address beforehand. Alternatively, you can enable DHCP on the Remote Controllers, provided a DHCP Server is present on the network and the
DHCP range is compatible with the IP Address of the mixing system.

The factory default settings are as follows:

- Unit Name IP4

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- DHCP Off

- HTTP On

- IP Address 192.168.1.76

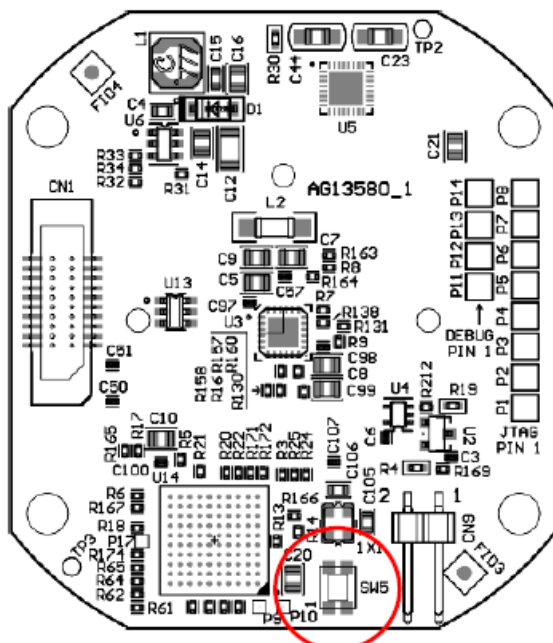- Subnet Mask 255.255.255.0

- Gateway 192.168.1.254

Browser access – Connect the IP4 and a PC or Mac computer to the same PoE network switch. Set your computer to a compatible, static IP Address, for example 192.168.1.100 with Subnet 255.255.255.0. Open a web browser and type the IP4 default IP Address 192.168.1.76 in the URL bar. This will give access to its network settings. Repeat the operation for each IP4 unit in the system.
Browser access is disabled if the HTTP setting is turned off in AHM System Manager.
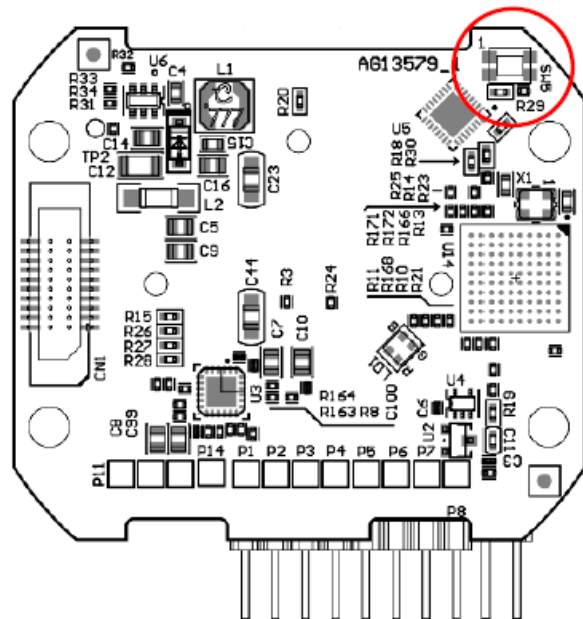System software – Connect the IP4 and the AHM Network port to the same PoE network switch. Use the System Manager software to edit the IP4 network settings. Once applied, repeat the operation for each IP4 unit in the system.
Refer to the AHM guide available for download at **www.allen-heath.com** for more information.

Reset Network Settings

US   UK/EU

Switch 5 on the main PCB board lets you reset the network settings to factory default. To reset, press the switch for 10s whilst applying power to the unit.
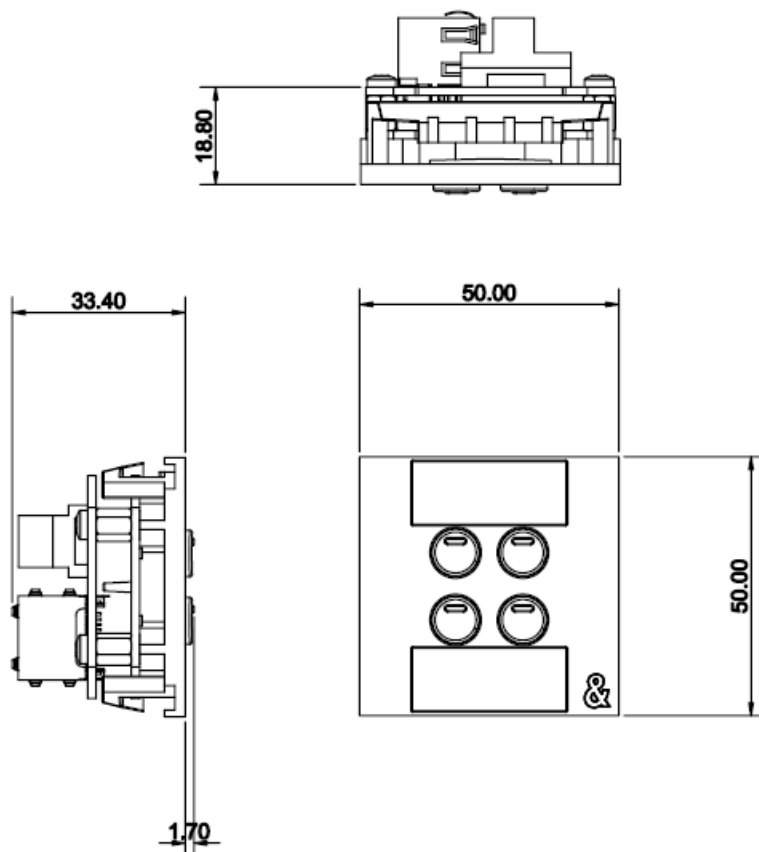
Programming the Remote Controller

Use the AHM System Manager software to configure the controller as appropriate.
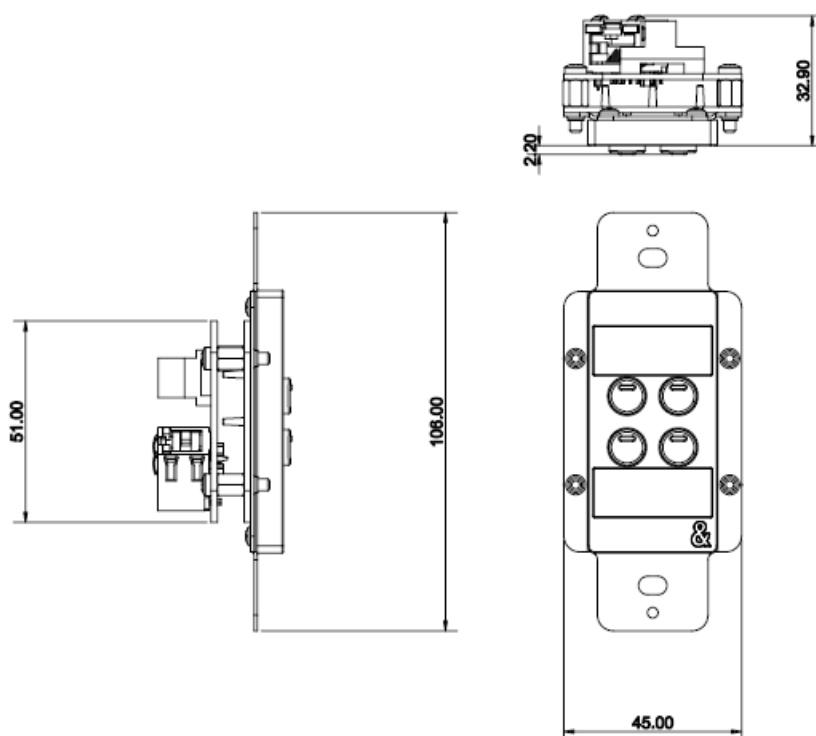
The functions and assignments of the IP4 are stored in the AHM Presets. They are not stored locally on the Remote Controller.

Refer to the AHM guide available for download at **www.allen-heath.com** for more information.

Dimensions – EU

Dimensions – US

Technical specs

System

- Network 802.3af (15.4W at source) and 802.3at (30W at source)
- Fast Ethernet 100Mbps 2.5W
- PoE Operating Temperature Range
- Max power consumption 0 deg C to 40 deg C (32 deg F to 104 deg F)

Dimensions and Weights

- IP4 [IJS Width x Depth x Height x Weight
- IP4 uS (boxed) 45 x 33 x 106 mm x 0.1kg (3.5 ounces)
- IP4 [EIJ 131 x 170 x 90 mm x 0.2kg (7.5 ounces)
- IP4/EU (boxed) 50 x 33 x 50 mm x 70g (2.5 ounces 131 x 170 x 90 mm x 0.2kg (7.5 ounces)

Documents / Resources

ALLEN & HEATH IP4 Getting Started Guide	**ALLEN AND HEATH IP4 Push All The Right Buttons** [pdf] User Guide IP4, IP4 Push All The Right Buttons, IP4, Push All The Right Buttons, The Right Buttons, Right Buttons, Buttons

References

- ⟳ **heath.com domain name may be for sale**
- **&** **Allen & Heath • Heard Everywhere**
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- **&** **Register a Product • Allen & Heath**
- **User Manual**