

# Installation Instructions



## SoundHouse Recess in Cavity

 **hear and learn**  
all audio to all ears. always.



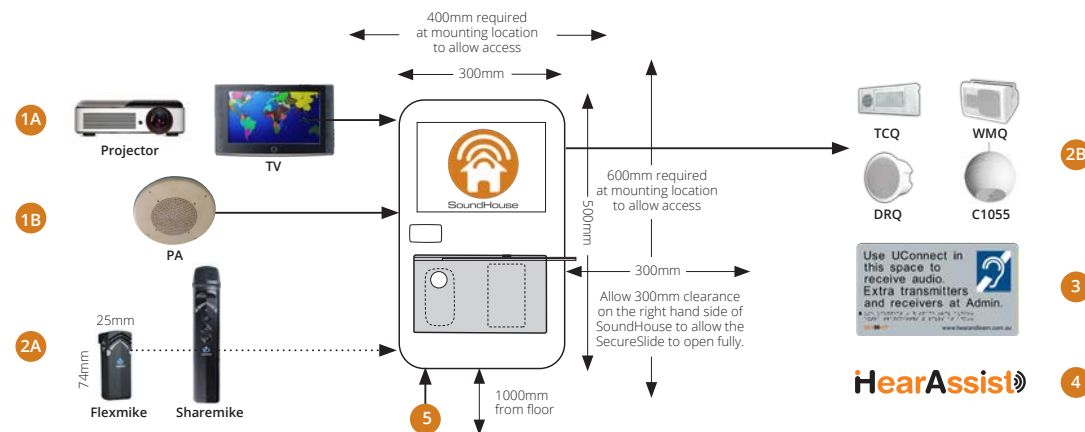
UConnect SoundHouse by hearandlearn.com.au is a bespoke steel cabinet complete with internal electronics, power supplies, labelling and signage for capturing and delivering instructional audio in learning spaces.

There are two versions of the UConnect SoundHouse – our WALL MOUNTED version and our RECESSED version. This document is relevant to installing our RECESSED version which have a right angled rear body for easy install complete with flange. It should not wall mounted.

Your Recessed SoundHouse is equipped with HEARING AUGMENTATION facilities. This means forms of electronic Instructional Audio, PA, Screens – will be connected to the SoundHouse making it available to people in these spaces who have receivers built in their hearing aids.

Additionally, your Recessed SoundHouse MAY be equipped with SOUNDFIELD facilities. This means electronic Instructional Audio will be delivered by Hear and Learn speakers in the space, and voices will also be captured by Hear and Learn teacher Flexmikes and student Sharemikes.

SOUNDHOUSE IS FOR EVERYDAY USE BY TEACHERS AND LEARNERS, BE UNOBSCURD, HAVE EASY ACCESS AND WITH LINE OF SIGHT OF AREAS OF THE ROOM.



**1A.** For the purpose of Hearing Augmentation, SoundHouse captures and distributes TV/Screen/Projector audio. No additional speaker infrastructure required. If the length of cable from output of TV/Screen/Projector to SoundHouse is less than 10m, use general audio cable with 3.5mm male plug to connect to SoundHouse with suitable connection to TV/Screen/Projector. If length of cable from output of TV/Screen/Projector to SoundHouse is more than 10 metres,

use CAT 5E/6 cable with 3.5mm Stereo Audio Cat5e/6 Extenders at each end for connection to SoundHouse (via 3.5mm male plug) and to TV/Screen/Projector (to suit output of device).

**1B.** For the purpose of Hearing Augmentation, SoundHouse captures front office messaging/PA. From closest PA speaker, cable from rear of speaker to SoundHouse to terminal in SoundHouse. SoundHouse transforms signal internally – no additional transformer required.

**2A.** Your SoundHouse may have Soundfield Audio Cat5e/6 Extenders at each end for connection to SoundHouse (via 3.5mm male plug) and to TV/Screen/Projector (to suit output of device).

**2B.** Your SoundHouse may have Soundfield equipment installed. Hear and Learn one piece teacher Flexmike and student Sharemike paired to SoundHouse via 1.9 ghz Dect platform to avoid congestion with other forms of education technology. Microphones are stored and charge within the lockable SoundHouse.

**2B.** Your SoundHouse may have Soundfield equipment installed and will involve speakers being installed. PLEASE SCAN THE QR CODE (RIGHT) FOR SPEAKER CABLING INSTRUCTIONS

This will involve 2 core, 1.5mm figure speaker cable to Hear and Learn speaker(s) as per design to suit size, shape and ceiling type of learning space. Contact Hear and Learn for installation advice.



**3.** Braille Tactile signs provided by Hear and Learn. They must be mounted to these compulsory rules: The sign must be located less than 1200 mm and not higher than 1600 mm above the floor or ground surface. Located on the wall on the latch side of the door with the leading edge of the sign located between 50 mm and 300mm from the architrave. If this is not possible, the sign may be placed on the door itself. See Page 12.

**4.** HearAssist includes local installation assistance, commissioning and staff training.

**5.** Connection of power to GPO's prebuilt into SoundHouse. No wall GPO(s) required.

See [hearandlearn.com.au/hearing-augmentation-solutions](https://hearandlearn.com.au/hearing-augmentation-solutions)

[hearandlearn.com.au](https://hearandlearn.com.au)

UConnect SoundHouse, Mini, Redcat, Redcat, Topcat, Redcat, 975, Redcat and T25 are part of the Hear and Learn technology family

Offices Australia wide (03) 9370 9355

# Installation Instructions

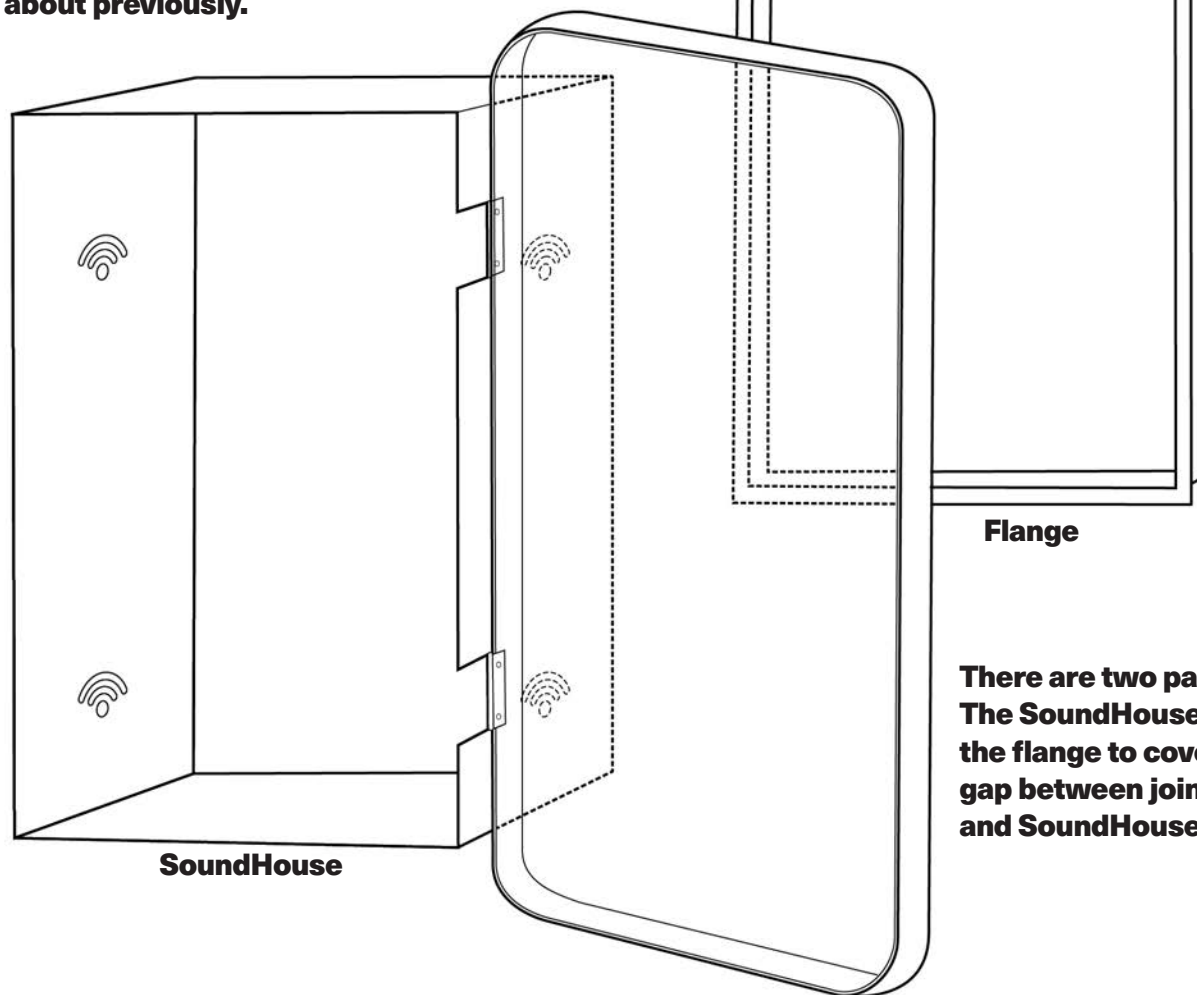


## SoundHouse Recess in Cavity

The SoundHouse recessed-in-wall model is designed for recessing into a wall cavity.

**NOTE:** This requires carpentry which stakeholders in this project have been advised about previously.

10mm



Flange

**There are two parts:  
The SoundHouse AND  
the flange to cover the  
gap between joinery/wall  
and SoundHouse**

SoundHouse

# Installation Instructions

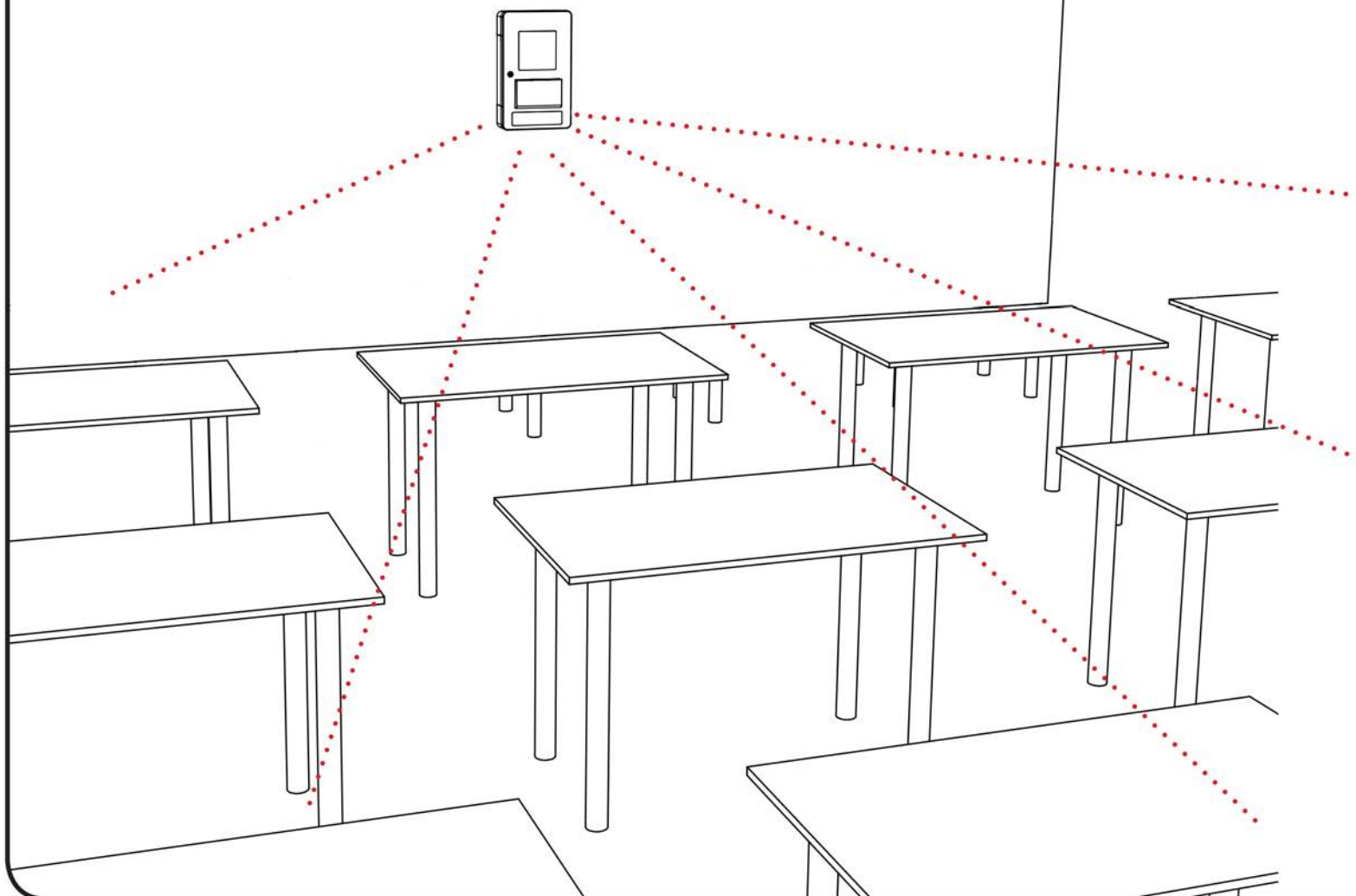


SoundHouse

**Recess in Cavity**

**\* Position shown for illustration  
purposes only**

**Follow directions and drawings  
of the Architect and/or the  
Electrical Consultant.  
In all cases SoundHouse is to be  
accessible to learners, teachers  
and visitors. In line of sight  
and completely unobscured.**



# Installation Instructions



SoundHouse

**Recess in Cavity**

**\* Position shown for illustration  
purposes only**

**100mm unobstructed  
perimeter on top, left  
and bottom sides**

100mm

300mm

100mm

**300mm right side  
clearance to allow  
the SecureSlide  
to be opened fully**

**Minimum height  
off ground 1000mm**

**Soundhouse to be  
accessible to all learners,  
be in line of sight, and  
unobscured**

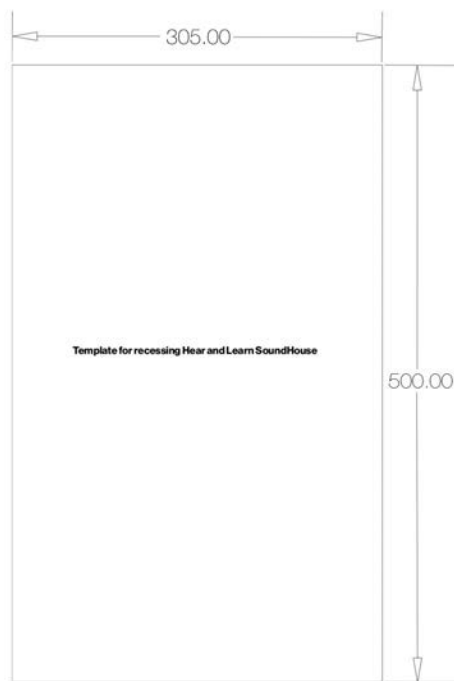
# Installation Instructions



SoundHouse

## Recess in Cavity

Cut hole in wall as per 1:1 scale template link below



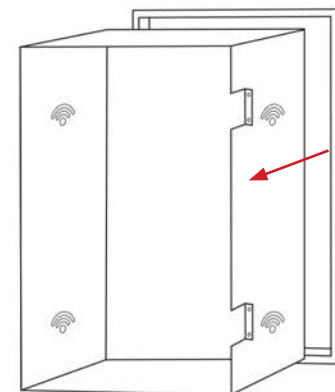
Download installation template at:  
[hearandlearn.com.au/install](http://hearandlearn.com.au/install)

**DISCLAIMER\***  
 Installer will be responsible for ensuring cavity hole is cut out neatly so unseen after flange and SoundHouse installed.

SoundHouse box depth is 120mm. It should be recessed upto 90 mm but not more to allow safe operation of the SoundHouse door.

135mm

Door must protrude by 45mm to allow door to open freely on box hinges



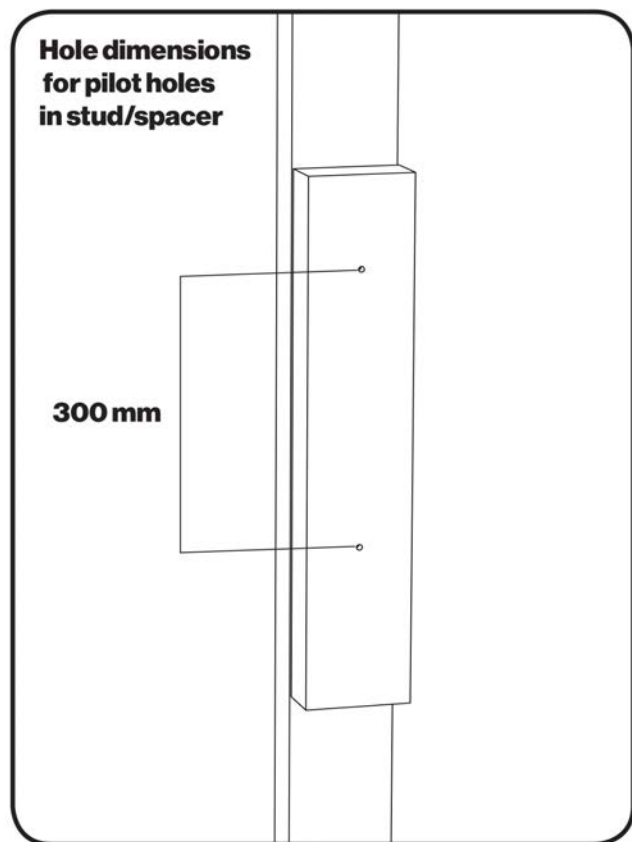
Slide the cover flange onto SoundHouse Box before fixing box to wall carpentry.

# Installation Instructions



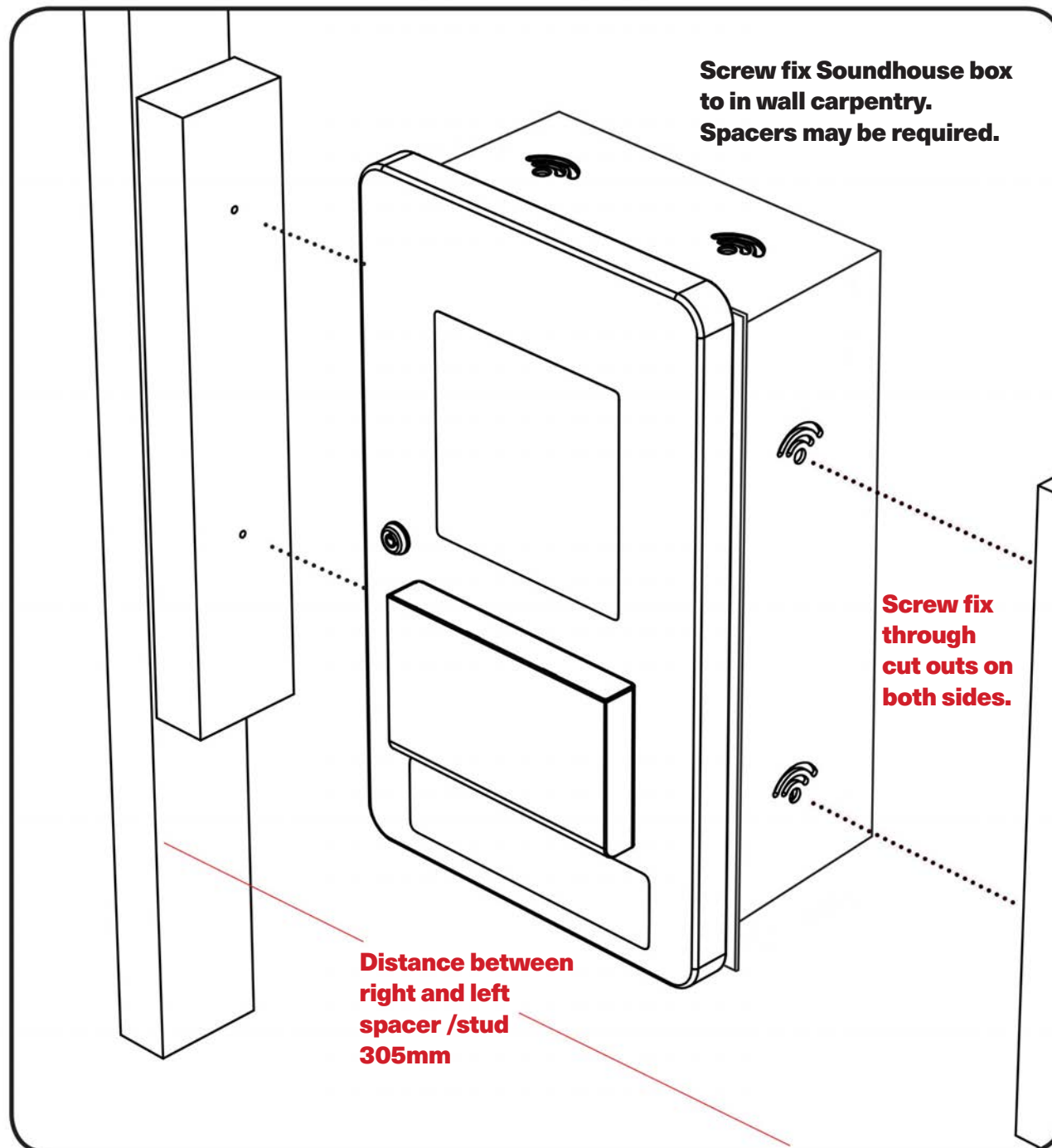
SoundHouse

## Recess in Cavity



Hole dimensions  
for pilot holes  
in stud/spacer

300 mm

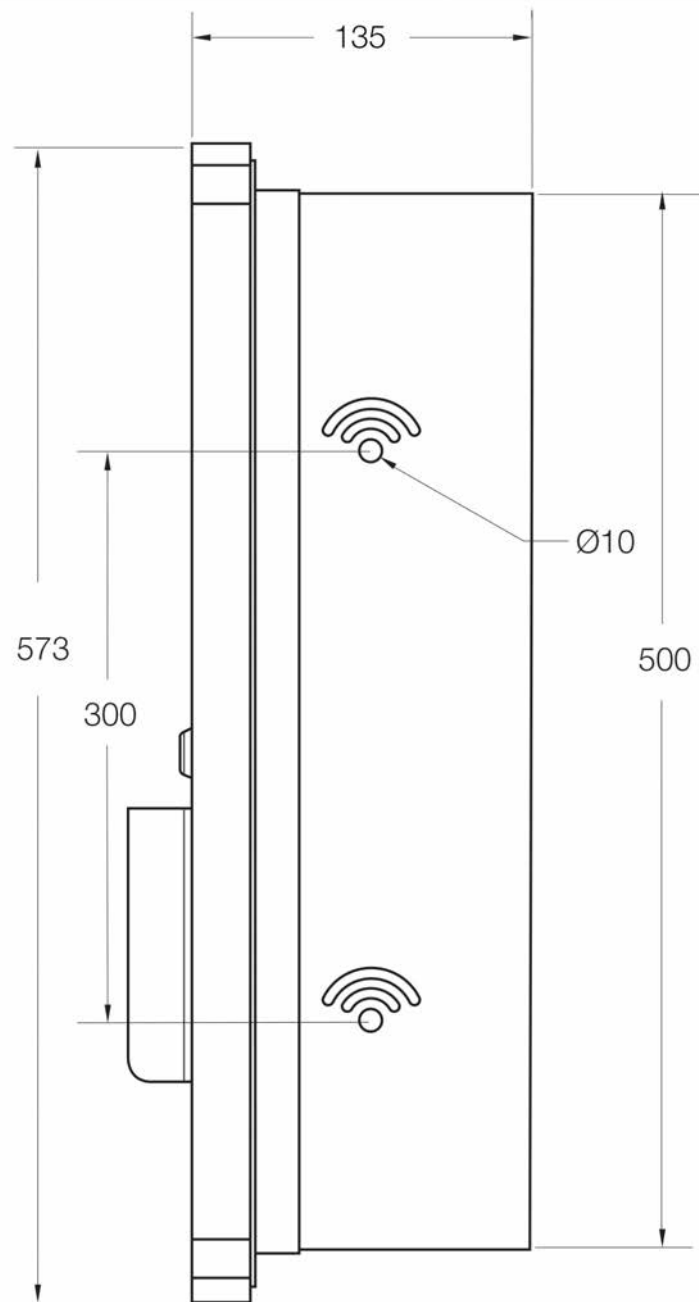


# Installation Instructions



SoundHouse  
**Recess in Cavity**

**Detailed stud  
mounting hole  
location**





# Installation Instructions



SoundHouse

## Recess in Cavity

**Precabing is to be completed prior to installation of SoundHouse in accordance with electrical diagrams for the project.**

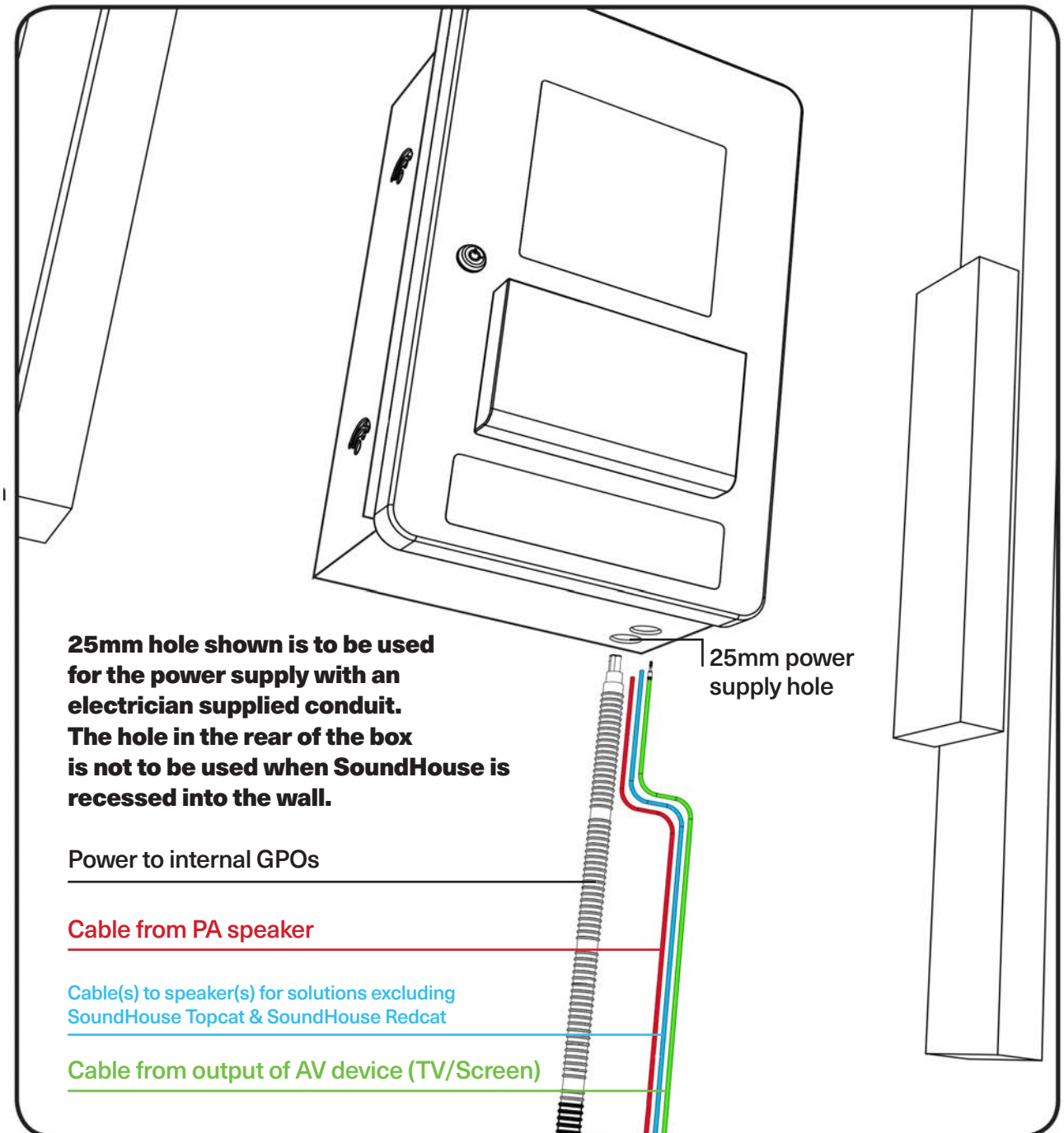
**All SoundHouse require connection of power to inbuilt GPOs in SoundHouse. Connection of power to SoundHouse to be completed by a registered electrician.**

**Other cables will require connection as per electrical diagrams. These connections may include cable from PA speaker, cable from AV (TV/Screen) systems and cables to speakers in the learning space. \***

**SoundHouse has holes in its base for recessed installation.**

**\*NOTE. Go to Point 1A on Page One for cabling length from AV source to SoundHouse.**

**NB. Connect 240v power to first internal preinstalled GPO and parallel cable to two other internal preinstalled GPOs. No extra GPOs required for installation.**





# Installation Instructions



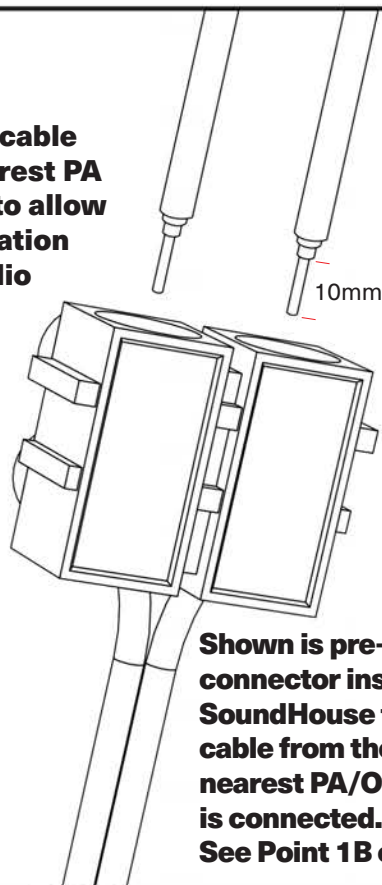
SoundHouse

**Recess in Cavity**

## Cable Connection

If your SoundHouse has  
T25 amp/receiver/microphones

**Connect cable from nearest PA speaker to allow augmentation of PA audio**



Shown is pre-installed connector inside SoundHouse to which a cable from the rear of the nearest PA/Office speaker is connected.  
See Point 1B on Page 1

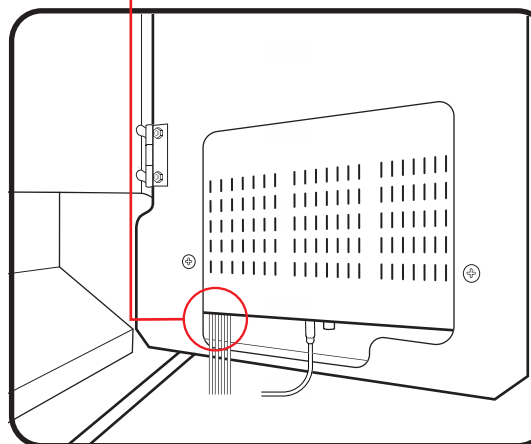
**Front of T25 Amp**



**Back of T25 Amp**

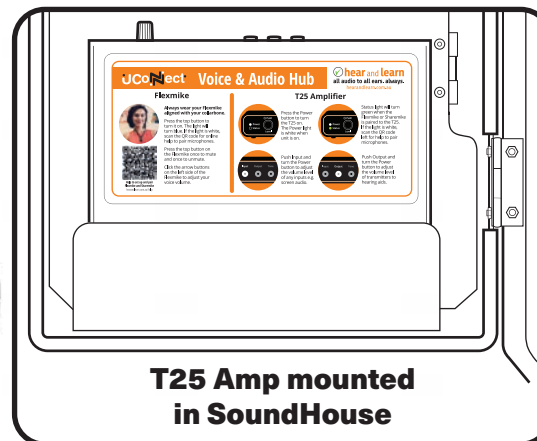


Speaker outputs



**T25 Amp mounted in SoundHouse with inner mounting door open to allow access to the back of T25 amp for wiring.**

See Speaker cabling instructions at  
[hearandlearn.com.au/install](http://hearandlearn.com.au/install)



Speaker cable help  
[hearandlearn.com.au/install](http://hearandlearn.com.au/install)

# Installation Instructions

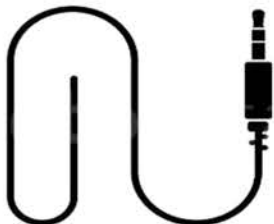


SoundHouse

**Recess in Cavity**

## Cable Connection

If your SoundHouse has  
T25 amp/receiver/microphones



Note point 1A on page 1.  
3.5mm male plug may be used as an audio extender depending on cable length from audio source.

**Front of T25 Amp**

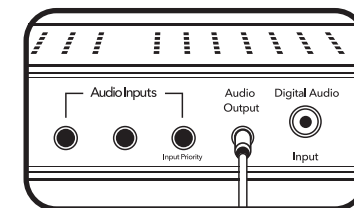
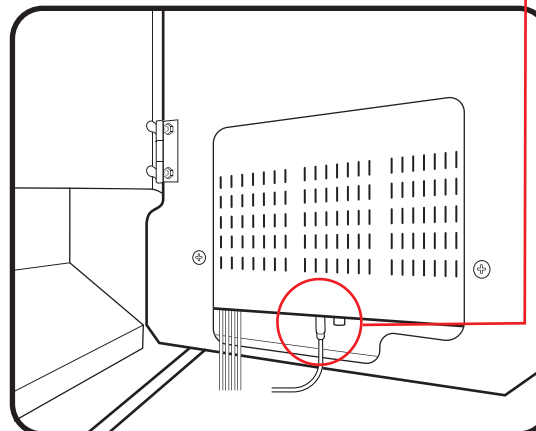


**Back of T25 Amp**



Connect input from TV, whiteboard or projector device(s) here.

SoundHouse is supplied with a cable pre-plugged into audio output (below) and connected to an input on the ElectroBox.



**T25 Amp mounted in SoundHouse with inner mounting door open to allow access to the back of T25 amp for wiring.**

See Speaker cabling instructions at  
[hearandlearn.com.au/install](http://hearandlearn.com.au/install)



Help

Speaker cable help  
[hearandlearn.com.au/install](http://hearandlearn.com.au/install)

# Installation Instructions

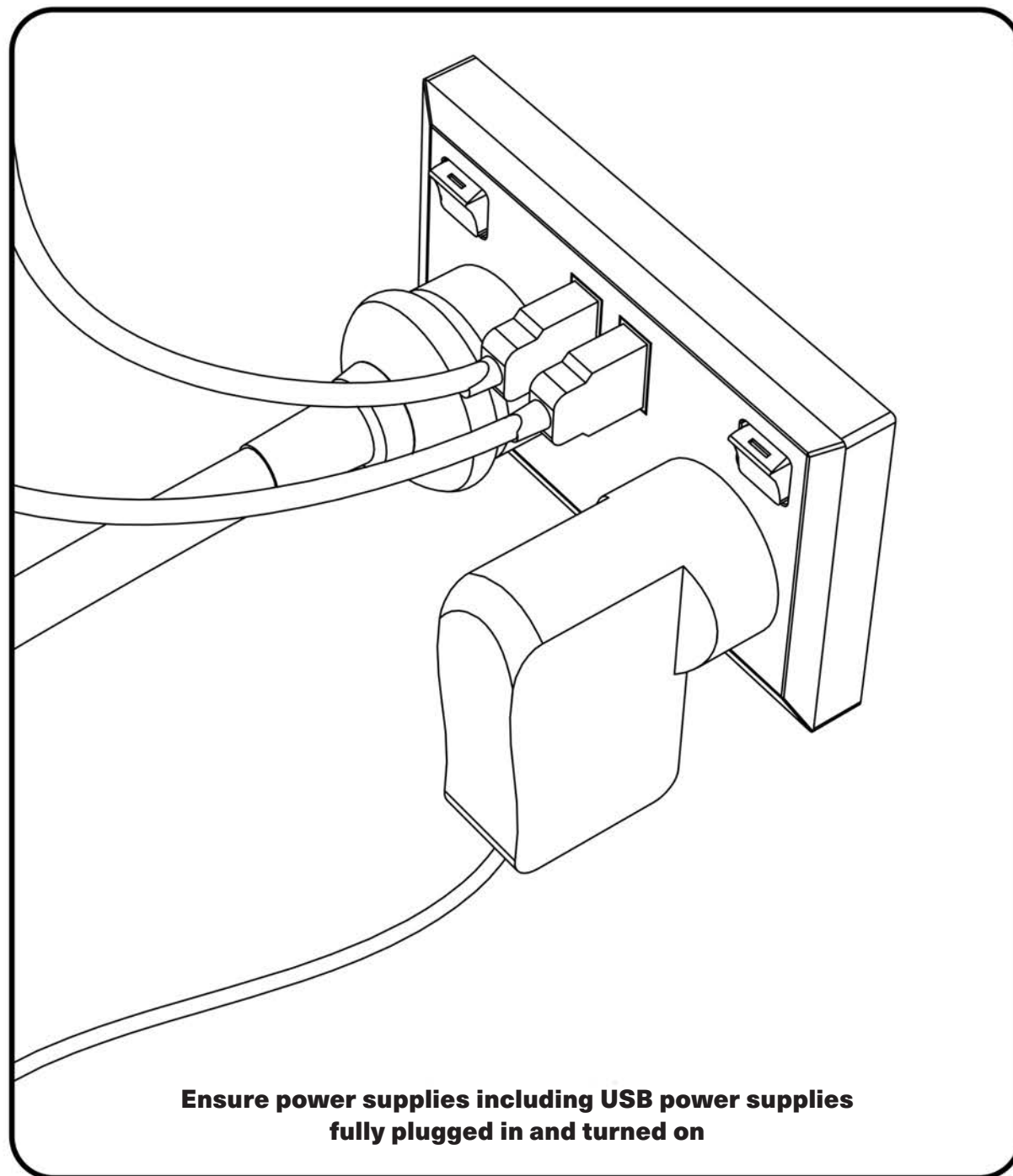
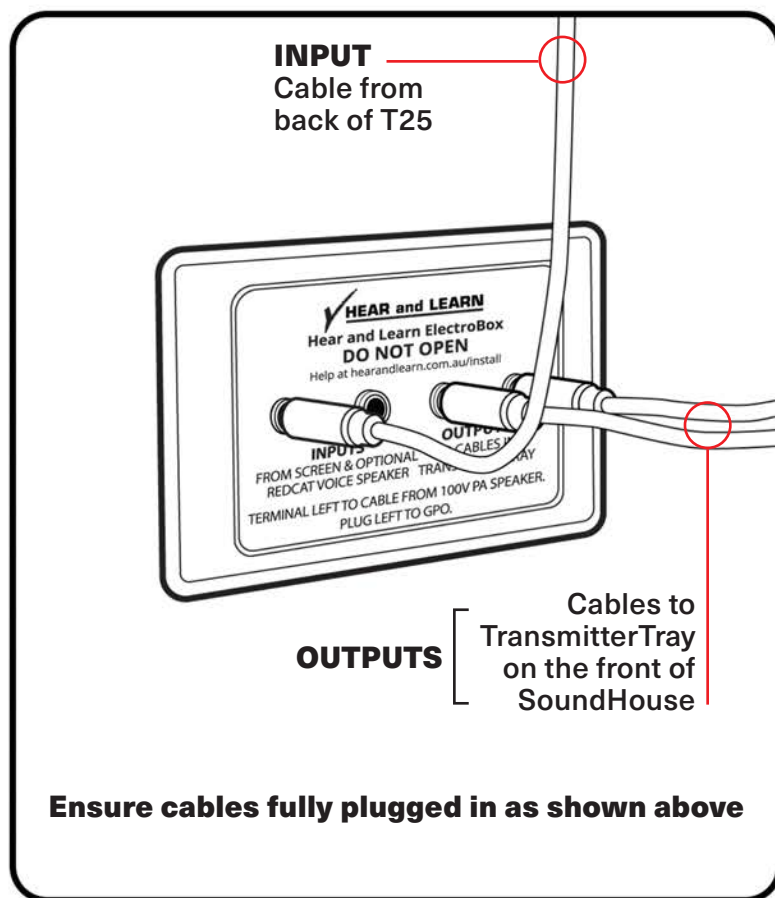


SoundHouse

**Recess in Cavity**

## Cable Connection

If your SoundHouse has  
T25 amp/receiver/microphones



# Installation Instructions



SoundHouse  
**Recess in Cavity**

Use UConnect in this space to receive audio. Extra transmitters and receivers at Admin.



Use UConnect in this space to receive audio. Extra transmitters and receivers at Admin.

UConnect

[www.hearandlearn.com.au](http://www.hearandlearn.com.au)

**Base of sign must be located not less than 1200mm and not higher than 1600mm above the floor or ground surface**

**AND**

**On the wall on the latch side of the door with the leading edge of the sign located between 50mm and 300mm from the architrave; and where this is not possible, the sign may be placed on the door itself.**

**\* Actual language on sign may vary**

