

# Installation Instructions



**Redcat**  
POINT-TO-PAIR-)

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



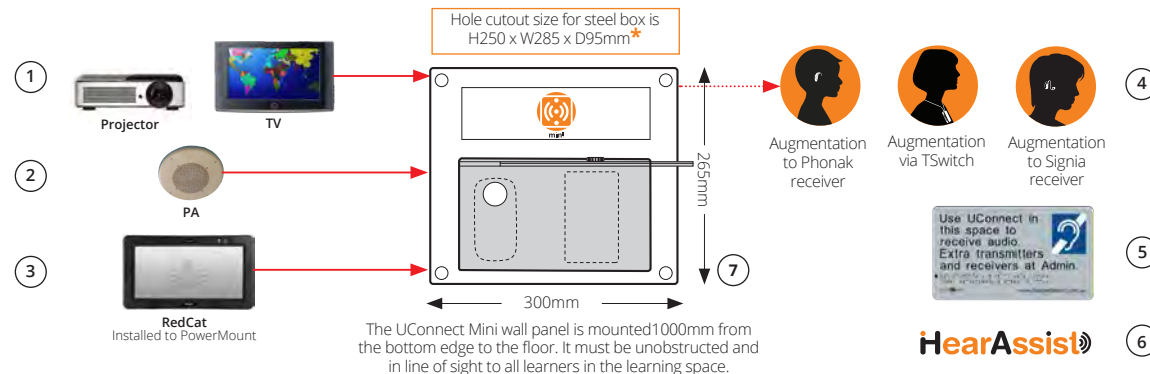
**Redcat**  
POINT-TO-PAIR-)

For wall recessing, the UConnect Mini is a steel, low profile hearing augmentation solution. Measuring 300 x 265mm, UConnect Mini is prebuilt by Hear and Learn and comes to site for connection to electricity (no on-wall power points or cables) and prewired inputs from PA speaker, screens and any other audio.

UConnect Mini to be installed in view and reach of learners, teachers and visitors. Soundfield can be added to the UConnect Mini when storing and securing mikes is not a priority. Out of view and touch components include our bespoke electronics which transform and balance audio input, and most cabling.

Ultra-strong polycarbonate Transmitter Tray houses transmitters supplied to the School by Hear and Learn, or those owned by learners. Transmitters can be secured using our SecureSlide system. SecureSlide is easily locked and unlocked using a thumb screw (supplied) when access is needed.

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



- 1 Where cable length from AV device to rear of UConnect Mini is less than 10 metres, run a 3.5 stereo male cable supplied and installed by others. Where cable length from AV device to rear of UConnect Mini is more than 10 metres, run CAT6 (supplied and installed by others) and at each end connect audio extenders (supplied and installed by others). Connection of cable to AV source to be determined and completed by others. See Page 6.
- 2 UConnect Mini needs to receive a feed from the PA speaker in the room. Run speaker cable (supplied by third party) from the rear of the PA speaker location through the cabling holes in the top or bottom of the steel box. See Page 6.
- 3 Cable from output of Redcat to input socket built into PowerPlate. From rear of PowerPlate, cable to UConnect Mini. When cable length from wall plate to rear of UConnect Mini is more than 10 metres, run CAT6 (supplied by others) and at each end connect audio extenders. See Page 7.

- 4 The cable is connected to the built in terminal in the UConnect Mini. Hearing-aided learners, teachers and visitors can connect transmitters to the UConnect Mini to receive transmissions of audio including PA announcements and screen devices.
- 5 Braille Tactile signs provided by Hear and Learn. These are compulsory and mounted to these rules:
  - Sign must be located not less than
  - 1200 mm and not higher than
  - 1600 mm above the floor or ground surface and
  - Located on wall on the latch side of the door with the leading edge of the sign located between 50 mm and 300 mm from the architrave or if this is not possible, the sign may be placed on the door itself.

See Page 7.

- 6 HearAssist includes local installation assistance, commissioning and staff training.
- 7 A steel wall- recessed box complete with inbuilt GPO and bespoke electronics for installation to stud / noggin. **A H250mm x W285mm hole to surround the steel box\***, with bottom edge of face plate 1000mm approx from the floor allowing teacher and learner access. Connection of power to GPO's prebuilt into UConnect Mini. No wall GPO(s) required. See Pages 5 and 6

**\* Installer may wish to make hole cut out size slightly larger to allow easy install. NB. Front plate is wider than steel box. Refer to dimensions Page 2.**

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

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

Offices Australia wide (03) 9370 9355

# Redcat

Diagram illustrating the internal structure and components of a steel box rim:

- Wall plate screw holes
- Cabling holes
- Internal pre built GPO's and electronics NOT shown to allow best installation instructions
- Screws into stud & noggin
- Steel box rim
- Wall plate screw holes

Cables loomed at rear of faceplate to be connected to outputs on electronics in UConnect Mini, and to USB outlets on GPO.



Redcat  
POINT-TO-PAIR..))

Mount PowerPlate in the middle of longest wall

625mm  
555mm

230mm

410mm

RedCat

ALD socket

GPO

220mm

1600mm from floor

Side view of PowerPlate showing inwall cubbyhole

55mm

320mm

140mm

285mm \*

175mm

250mm

285mm

250mm

1

2

3

4

5

TV

PA

al pre built GPO's electronics NOT down to allow best installation instructions

UConnect Mini Steel includes the SecureSlide System. SecureSlide provides security and tamper proofing for transmitters to receivers in hearing aids.

**2/9**

# Installation Instructions

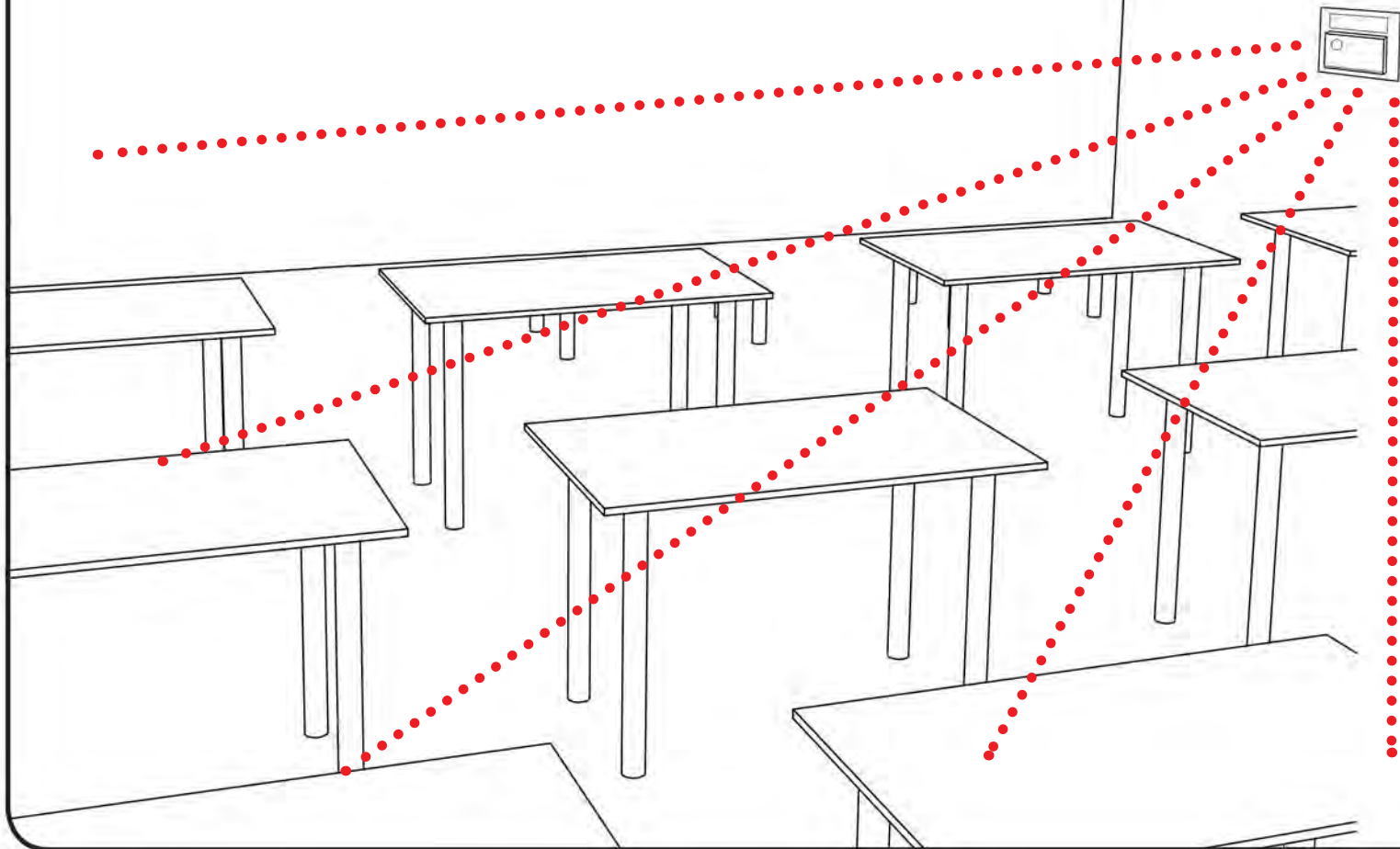


**Redcat**  
POINT-TO-PAIR-))

**Follow directions / drawings of  
Architect / Electrical Consultant.  
In all cases UConnect Mini to be  
accessible by learners, teachers,  
and visitors, be in line of sight  
and unobscured.**

**UConnect Mini should  
not be more than 10m  
from any learner.**

**Position shown for  
illustration purposes  
only.**



# Installation Instructions

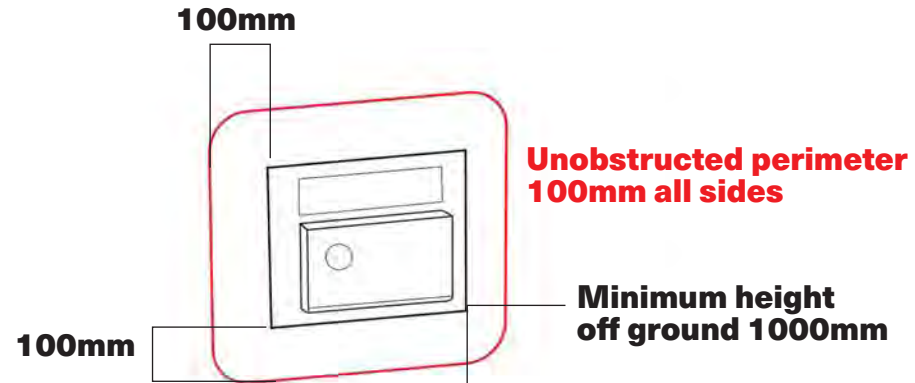


**Redcat**  
POINT-TO-PAIR-))

**UConnect Mini should not be more than 10m from any learner.**

**Position shown for illustration purposes only.**

**UConnect Mini to be accessible to all learners, be in line of sight and obscured**



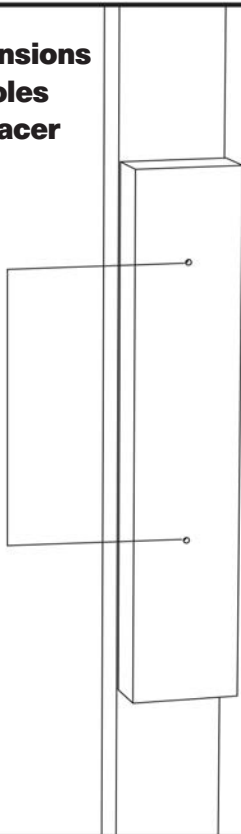
# Installation Instructions



**Redcat**  
POINT-TO-PAIR-))

**Hole dimensions  
for pilot holes  
in stud/spacer**

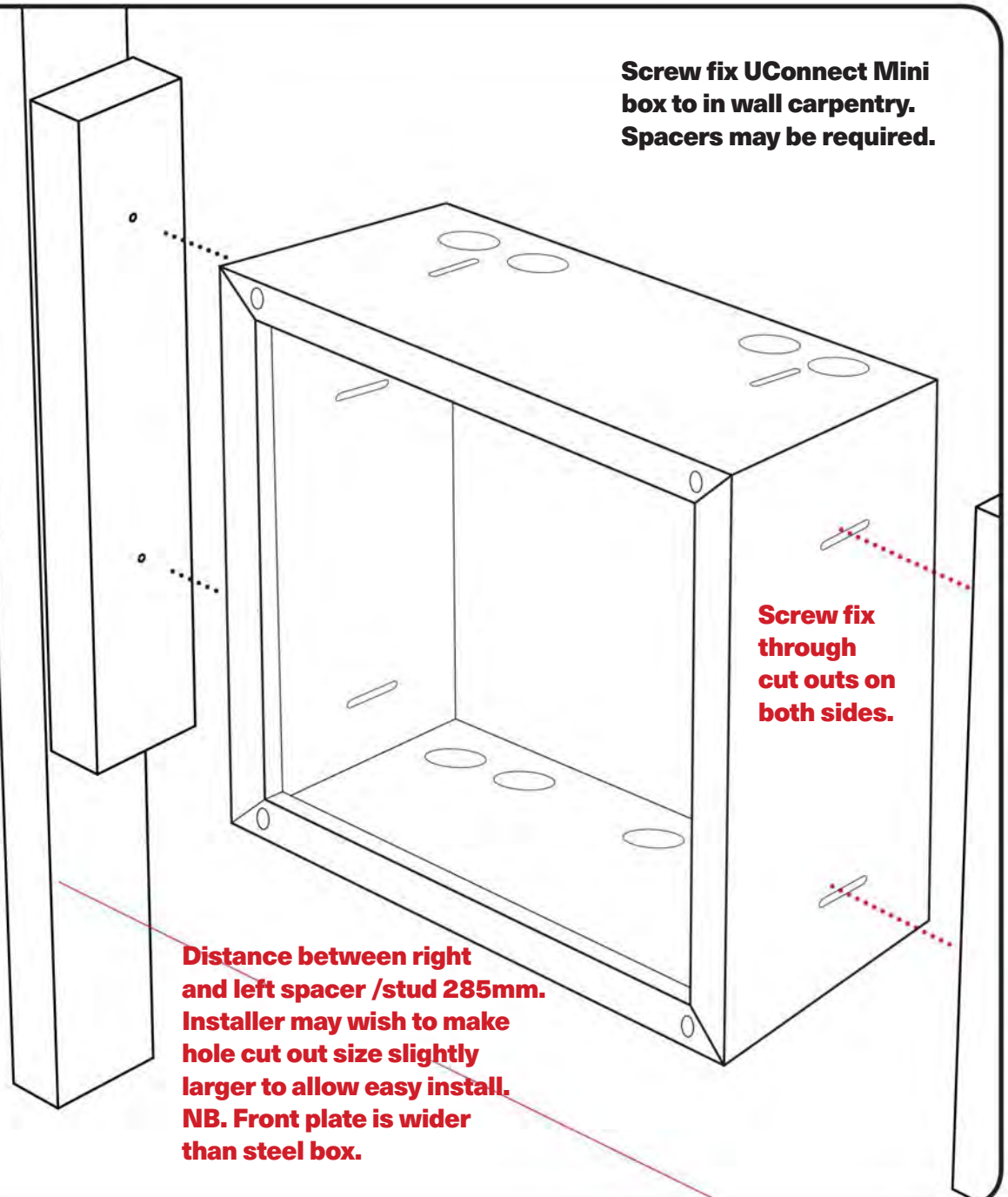
**175mm**



**Screw fix UConnect Mini  
box to in wall carpentry.  
Spacers may be required.**

**Screw fix  
through  
cut outs on  
both sides.**

**Distance between right  
and left spacer /stud 285mm.  
Installer may wish to make  
hole cut out size slightly  
larger to allow easy install.  
NB. Front plate is wider  
than steel box.**



# Installation Instructions

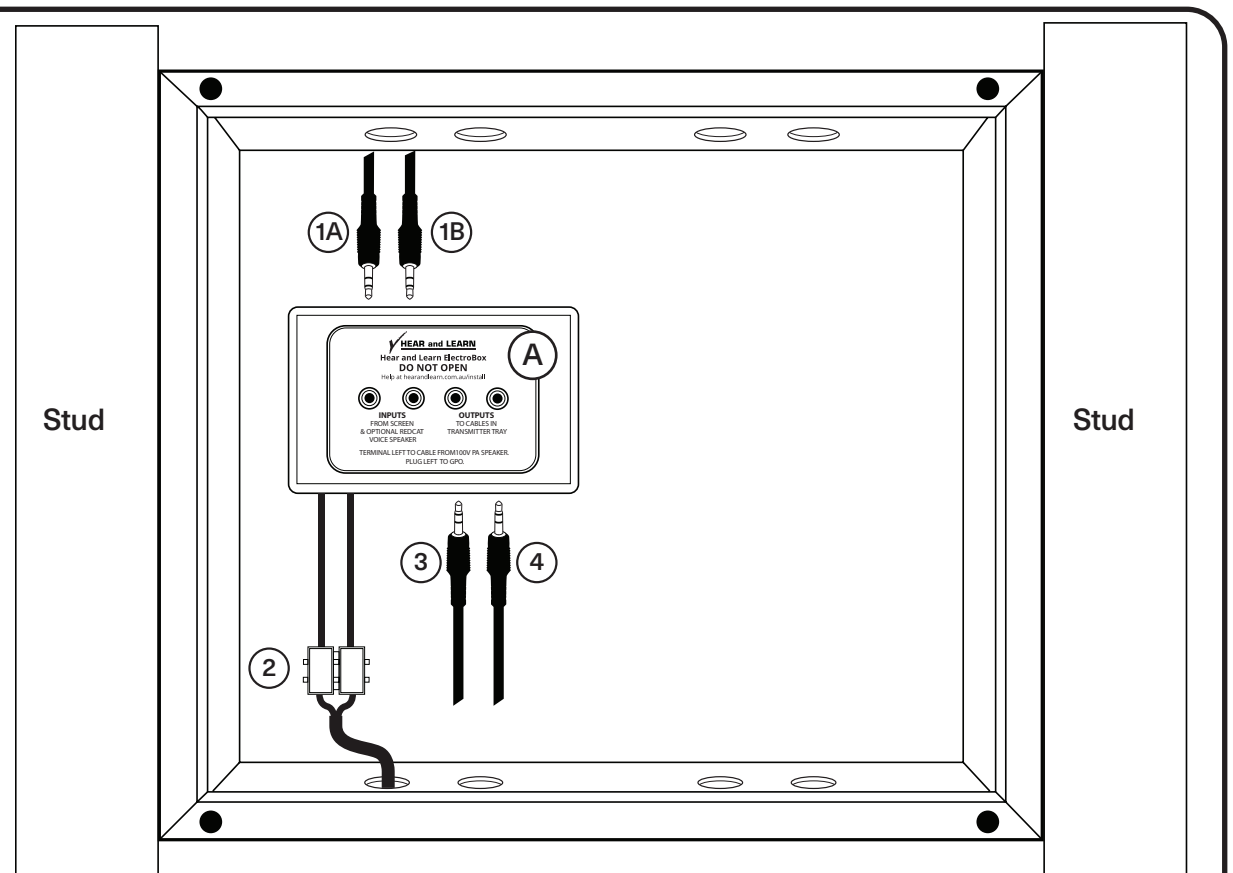


**Redcat**  
POINT-TO-PAIR-))

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

**All UConnect Minis require connection of power to inbuilt GPO. Connection of power to UConnect Mini to be done by a registered electrician.**

**Other cables will require connection as per electrical diagrams.**



- A.** PRE BUILT AND INSTALLED BY HEAR AND LEARN:  
Bespoke Electrohub with 100v to line level converter for input from local PA speaker, PA priority over other inputs, input from Screen Audio, and two outputs to transmitters to hearing aids.
- 1A. & 1B** CONNECT PRE INSTALLED CABLE FROM SCREEN AND PRE INSTALLED CABLE FROM REDCAT LOCATION POWERPLATE INSTALLED BY OTHERS:  
Cable input from screen to 3.5 female stereo socket. Where cable length from AV device to rear of UConnect Mini is less than 10 metres, run a 3.5 stereo male cable supplied and installed by others. Where cable length from AV device to rear of UConnect Mini is more than 10 metres, run CAT6 (supplied and installed by others) and at each end connect audio extenders (supplied and installed by others).  
Connection of cable to AV source to be determined and completed by others.
- 2.** Cable from local PA speaker to inbuilt terminal.
- 3.** Output via inbuilt cable pre installed by Hear and Learn to left side of TransmitterTray of Uconnect Mini (for connection to transmitter with 3.5 mm female input including Phonak Media Hub).
- 4.** Output via inbuilt cable pre installed by Hear and Learn to right side of TransmitterTray of Uconnect Mini (for connection to transmitter with dual female with dual female RCA inputs including Streamline TV Hub).

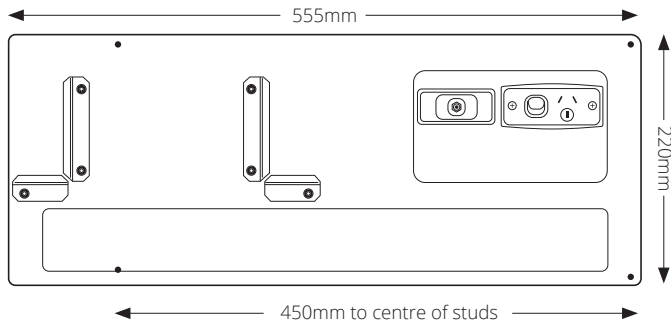
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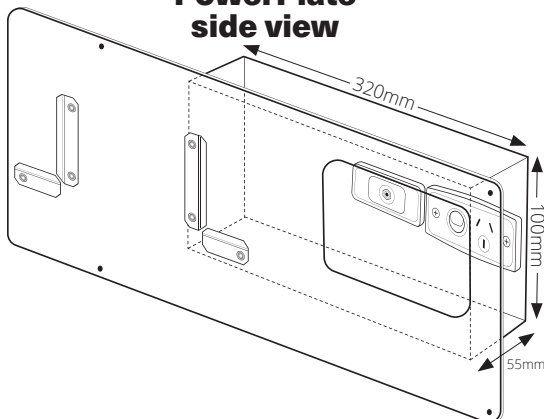
min!

**Redcat**  
POINT-TO-PAIR-))

**PowerPlate  
front view**



**PowerPlate  
side view**



**Fix PowerPlate so that mounted Redcat  
is in the middle of the longest wall**

**Area covered by  
portable Redcat  
indicated by  
the dotted line.**

**Minimum height  
1600mm from  
floor, to bottom  
of PowerPlate,  
out of reach of  
students.**

**Connect  
240v to GPO  
built into  
PowerPlate**

**Minimum height  
1000mm from  
floor to bottom  
of UConnect Mini**

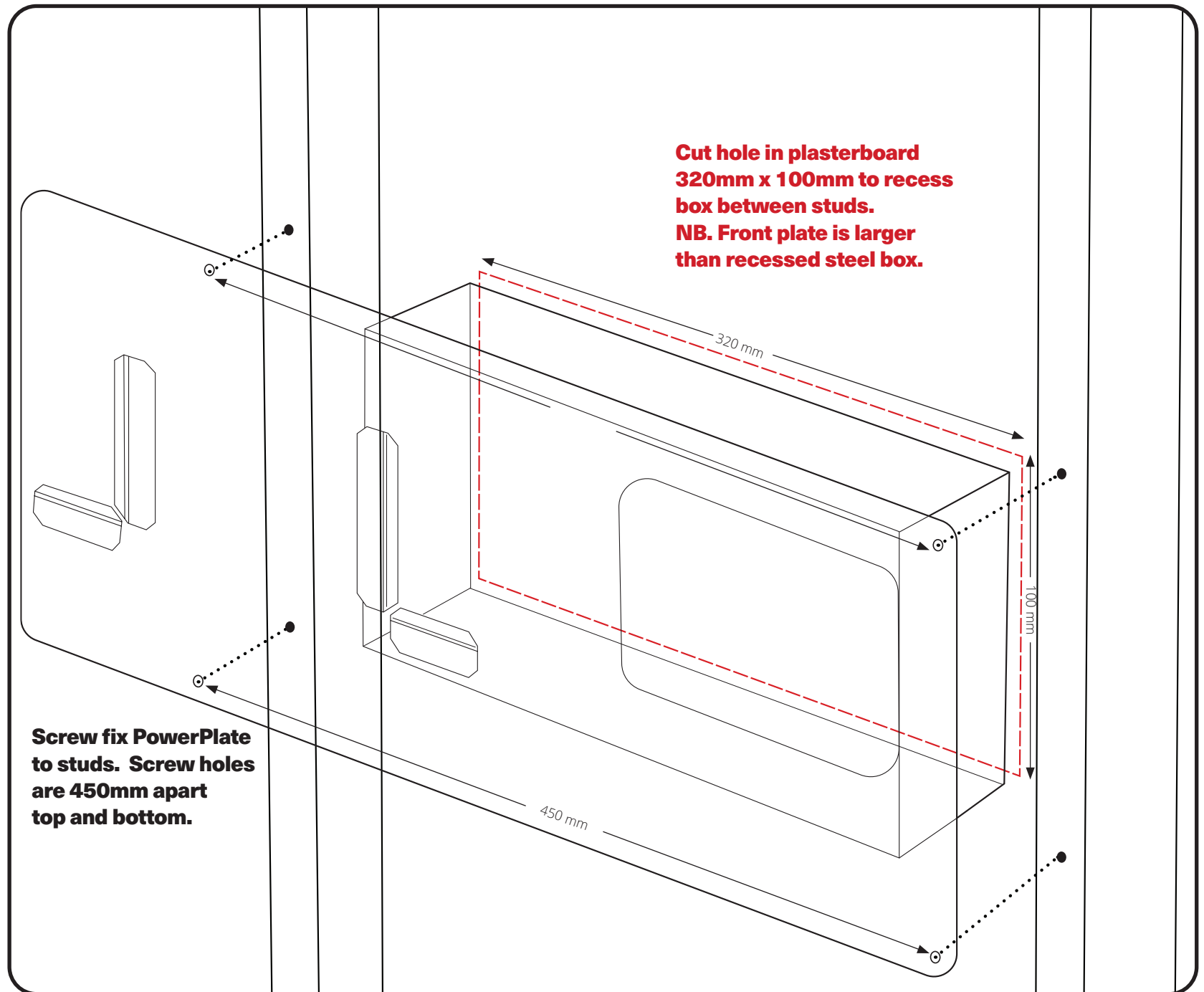
**Cable from rear  
of PowerPlate  
to input of  
UConnect Mini.  
See 5 Page 2**



# Installation Instructions



**Redcat**  
POINT-TO-PAIR™





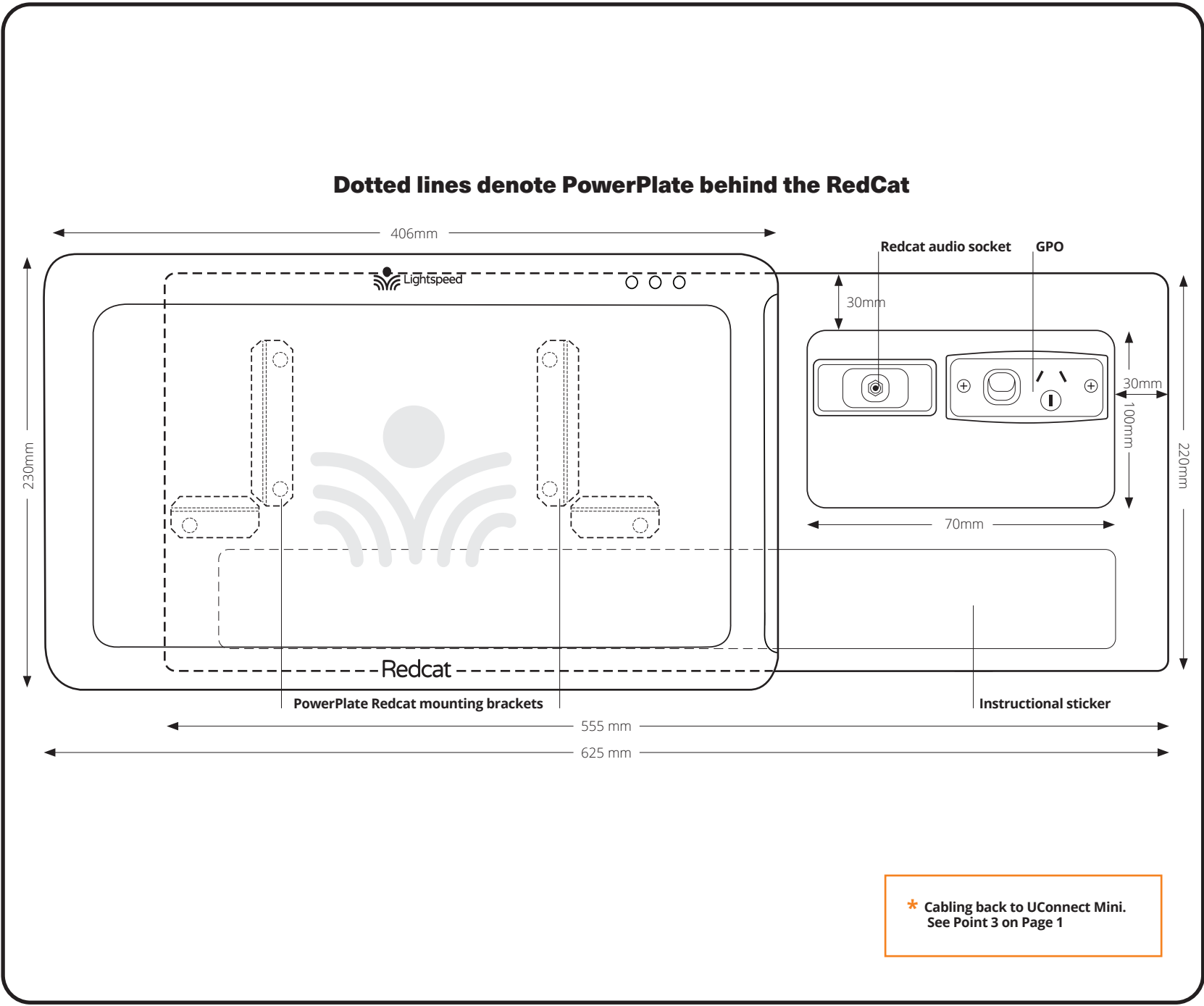
# Installation Instructions



min!

**Redcat**  
POINT-TO-PAIR-))

**Finished look of  
Redcat mounted  
on PowerPlate.**



# Installation Instructions



min!

**Redcat**  
POINT-TO-PAIR-))

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**

