Hear and Learn UConnect Mini & Redcat/Media Connector Bundle

Precabling / Wiring Instructions

UConnect Mini is an all in one, remade hearing augmentation hub which comes to site at the last stage of construction. For the purpose of prewiring/cabling, a sample UConnect Mini will be provided. The basket shown is screwed to sides of vertical and horizontal studs with the rim of the hub overhanging over the front of the studs by the same thickness as the wallboard being used. For example, if you are using 10mm Gib Board, ensure that the rim sits out by 10mm. Wallboard must surround the hub and not overlap the basket. Dimensions of the basket for the purpose of the hole in the wallboard is 285 mm x 250 mm. Depth of basket is 80 mm. A frame screws to the basket, and plate (complete with storage box) clips into the frame.

Redcat/Media Connector is a teacher microphones, AV audio controller, amplifier and receiver. Media Connector screws to the wall to cover the 30mm hole in wallboard shown. Cables run between the Media Connector and the UConnect Mini. If the top of the UConnect basket is screwed to a horizontal stud, a 30 mm hole is required in the stud to allow for these cables to be run between the two components.

Speakers(s) distribute audio for best listening conditions, and hearing aided children can connect transmitters to receive augmentation of audio direct to receivers built into hearing aids.

A. HOLES IN WALLBOARD

UConnect Mini/Media Connector must be installed in an unobscured location to allow line of sight to the UConnect. It is for everday use and accessible to teachers and students.
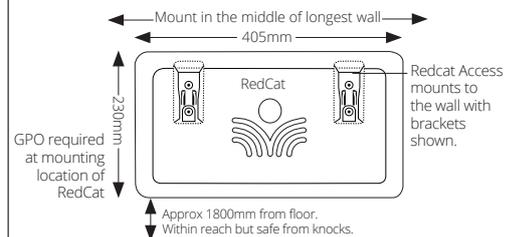
Holes for UConnect basket/wall plate system.

① 285mm x 250mm hole to surround the basket, with bottom edge of system 1000mm approx from the floor.

② 30mm hole for cables to Media Connector, 114mm from top of UConnect system to the centre of the hole, and in the centre.
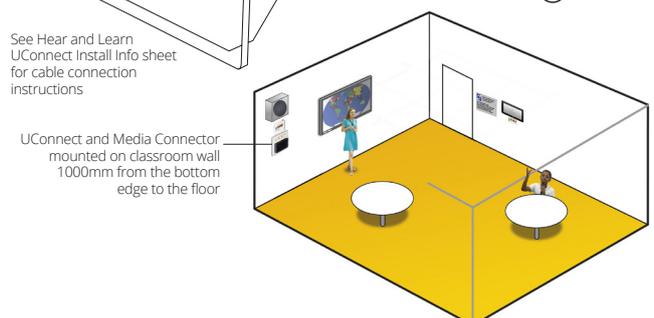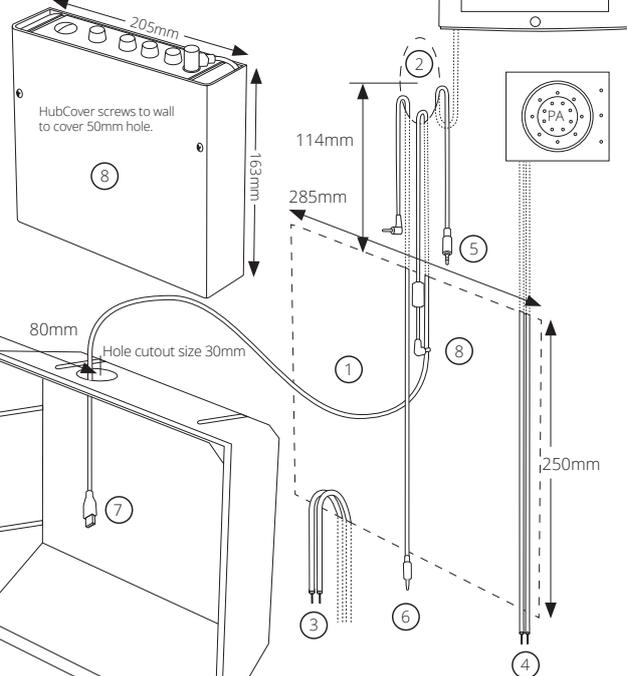
B. PRECABLING

③ **Power to rear of UConnect**
UConnect Mini comes premade with 2 x dual GPO's. These GPO's are to be installed inside the UConnect Mini basket once connected to power. These GPO's power the UConnect Mini itself (and its internal electronics), power the Media Connector (via cable between the UConnect Mini and the Media Connector).

④ **Feed from PA speaker in the room.**
UConnect Mini needs to receive a feed from the PA speaker in the room. Run cable (supplied by others) from the rear of the PA speaker location to the rear of the UConnect Mini. Cable is connected to UConnect Mini using terminal built into the UConnect Mini.

⑤ **Audio from AV device (TV/Projector)**
Where cable length from AV device to rear of UConnect Mini is less than 10 metres, run a 3.5mm male cable. Where cable length from AV device to rear of UConnect Mini is more than 10 metres, run CAT6 (supplied by others) and at each end connect audio extenders. Connection of cable to AV source to be determined /completed by others.

⑥ **Connection between UConnect Mini & Media Connector**
Right angle 3.5mm plug to 3.5mm plug cable (supplied by Hear and Learn) needs to have right angle end through hole behind 955 and straight end to rear of UConnect.

⑦ **Power supply for Media Connector**
The Media Connector receives power from a devoted GPO with USB inside the UConnect Mini.

⑧ **HubCover for Media Connector**
Using appropriate fastener/s, install HubCover to wall. Input power supply and TV to Media Connector and output from 'ALD' on Media Connector to input in UConnect Mini.

Finished look of UConnect Mini and HubCover

Redcat Access Wall Mounting Instructions
Detailed instructions at www.hearandlearn.com.au/install

Mount in the middle of longest wall — 405mm
230mm
RedCat
Redcat Access mounts to the wall with brackets shown.
GPO required at mounting location of RedCat
Approx 1800mm from floor. Within reach but safe from knocks.

TV

HubCover screws to wall to cover 50mm hole.
205mm
163mm
⑧

Hole cutout size for basket H250 x W285 x D80mm
325mm
290mm
80mm
Hole cutout size 30mm
⑦

See Hear and Learn UConnect Install Info sheet for cable connection instructions

PA
114mm
285mm
⑤
②
①
⑧
250mm
③
⑥
④

UConnect and Media Connector mounted on classroom wall 1000mm from the bottom edge to the floor

www.hearandlearn.com.au
UConnect, 955, Redcat, Topcat & SoundHouse are part of the www.hearandlearn.com.au technology family.
Offices Australia wide (03)93709355

Hear and Learn UConnect Mini

Installation of UConnect Mini

The basic installation requires mounting basket to the horizontal and vertical studs. NOTE: Floating clips will need to be used in the corners that are not being secured to a stud (usually only one corner).

1. Using the B screws, secure the basket to the studs. Make sure the rim of the basket overhangs the front of the studs by the same thickness as the wallboard being used. For example, if you are using 10mm Gib Board, ensure that the rim sits out by 10mm. See pictures above.

2. After the wallboard has been installed with a cut out for the basket (and plastering, if required, has been completed), attach the frame.

   (a) Remove the basket from the wall

   (b) Using the C screws, attach the frame to the basket the corners that will be fixed to the studs.

   (c) On the corners that are NOT fixed to a stud you will need to use a floating clip. Before you use it, you will need to thread the clip using the A screw. Place the clip against the back of the hub and screw the A screw through the frame, hub and clip.

3. Insert the basket into the wall making sure that the frame is sitting on top of the wallboard.

   (a) Secure with the floating clip/s

   (b) Using the B screws, secure to the studs.

4. Connect the outlets/power points ensuring you follow current electrical guidelines and regulations.

5. Connect the UConnect Mini front plate lid and the cable cover.

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