

The u3a Sound System-at Ludwick Hall WGC 2024

Voice re-reinforcement for meeting speakers or other sound sources is provided by microphone and mixer equipment owned by the u3a that feed into the power amplifier and speakers installed in the hall.

The u3a equipment is stored between meetings in the u3a cupboard at the back of the stage in a single large plastic box with cover. The principle devices are a qtx MM41 Mixer and Shure BXL88 Receiver together with a BXL2 hand-held mic and a head-worn mic with a BXL1 bodypack. The box also contains the device PSU's, documentation, mains cables, audio cables, etc..

The Ludwick sound installation comprises a pair of wall-mounted speakers, each mid-way down on opposite sides of the hall. Mains power is from a socket at floor level below the speaker on the left hand wall (when facing the stage). The sound input is through the LH one of 2 RCA sockets on the wall to the right of the stage above the shelf.

Set-up instructions:

1. Retrieve the equipment box from the u3a cupboard at the back of stage, together with the two rubber safety strips used for covering over the cables if needed.
2. Lift out the assembled unit containing the Receiver and the Mixer with their PSU's and the audio cables already connected. Connect the audio cable with a male RCA plug coming from the Mixer output socket into the Ludwick Hall system LH input socket.
3. Connect the mains power cable from the unit to the double 13 amp socket on the right hand side wall (when facing the stage) beyond the emergency exit doors. Ensure the mains cable is not a trip hazard using the doormat or rubber strip as necessary.
4. Lift out the mic box, test and fit 2 AA batteries in each of the hand held mic and the headset Mic.
5. Check and turn on the mains power to the hall amplifier.
6. Turn the mixer on and set the main and first two volume controls on the mixer to just below halfway, then switch on the mic base unit which will light up. Run a sound check by adjusting the volume to ensure sound can be heard clearly from both the hand held and the headset mics. The head-worn mic is for the speaker's use and the hand-held mic for the chair of the meeting. Also check that the mic can be used from the back of the hall.
7. If other audio is required either from a laptop or a music system there is a 6 metre lead in the cable box with a ¼" jack on one end and a 3.5mm jack on the other. The ¼" jack is plugged into channel three on the mixer and the 3.5mm into the laptop or music unit headphone socket. Adjust the volume control as necessary.
8. At the end of the session power everything down and repack the boxes as found.

Jan 2024, Martin King

Microphones and Batteries

This box goes in the bottom of the large plastic box to support the assembled unit at the correct height in the box

Contents of Mic box

Head-worn mic

Body Pack

Hand-held mic

Batteries
in use

Spare
Batteries

Battery Tester