Audio Visual system - Sanctuary - basic use.

Uncover the cabinet.
You will need the unit switched on at the mains plug behind it. A set of indicators will light up in the cabinet to confirm the power is on.

PowerPoint presentation, etc. -

Using the **church laptop** - This lives in the bottom drawer of the locked filing cabinet in the vestry, along with its power supply, mouse and a clicker (black tubular gadget in a cloth bag) for controlling the "slide" changing.
The church's (or a presenter's) laptop can sit on the top of the unit with the power supply plugged in to one of the sockets on the wall. The laptop has to have a HDMI connection.
An HDMI cable, beside the left of the unit, plugs into the laptop and connects it to the amplifier, the five TV screens and the lectern screen.
The sound from the laptop goes into the amplifier whilst the picture is split between the screens.
The **clicker** has a dongle (little black thing) in its end. This comes out and plugs into one of the laptop's USB ports. Don't forget to put it back when finished.

The screens -

A handset, on a shelf in the unit, is needed to switch the screens from standby to on.
A tiny red indicator, at the bottom right of each screen, shows that they have power and are in standby.
Stand in front of each screen in turn to use the handset, otherwise you'll find yourself switching one on but another off. Start with the ones nearest the cafe.
If one of the screens does not display what is on the laptop then you will need to press the handset button (near the top) to Select HDMI as input.

The lectern -

Firstlly, there is a height adjustment lever. Don't get too carried away and raise it too far or you'll end up disconnecting all the leads inside it.
The microphone ("wired mic") is controlled from the cabinet. Don't forget to get the users to talk into it, not past it.
On the top is a repeater screen which should show the same as the other screens. If it doesn't then there is a button to use to select HDMI input.

The radio microphone – see below.

Gadgets in the cabinet.

HDMI splitter -

This is hanging in the rear of the cabinet.

Amplifier - getting sound into the system -

The top black device is a (TOA A-1803) amplifier which merges the sounds from the various sources.
It has an overall volume control on the right, plus seperate labelled volume controls for each source - these may need adjusting for the best effect.

- "**Wired mic**" – that's the one on the lectern.
  - Don't forget to get guest speakers to aim it in their general direction.
- "**Radio mics**" - These should be located in the unit or on the lectern shelf.
  - ?Batteries?……....

    - You will need to raise the aerials on the top of the unit for these to work.
    - Make sure the lowest device is powered up - this being the radio mic. controller.
    - The volume control on it may need to be adjusted seperately.
- "**DVD player**" / TV decoder is in the unit should such be required.
    - ?handset for this?

DVD player (Sony).

Need to look this up. Handset?

HDMI splitter - CYP device.

This is the second full-width box down, a CYP PU-1H7HBTPL.
It does the splitting of the HDMI signal between up to 7 screens . The split outputs are sent over network-type (CAT5) cablesvia the four wall sockets, then converted back to HDMI at the TVs.

Loop system (blue device).

This is the blue box, a Signet PDA 200/2.
This controls the loop system for hearing aid users.
There is a set of lights showing the level being output.
You will need to check what's being transmitted with one of the users.

Wireless microphone receiver.

This is the lowest box, a DTM-800.
The volume control should be left in the middle. Use the "Radio mics" control on the amplifier.

At the back of the unit:

On the floor is a HikVision box. This is a router which connects sections of the mostly-CCTV-related network.
On the wall is a connection system for network-type cables linking to the Sony televisions.
A single HDMI cable (end on the left side of the unit) is available with a gold connector to plug into a laptop, etc.
There is also a set of mains sockets where the unit, etc. are plugged in. One is available for a laptop.

Audio Visual system – Bembridge Room - basic use.

Gadgets in the wall-hung cabinet.

More to follow when I can actually open the cabinet.

Amplifier - getting sound into the system -

The top black device is a (TOAA-1800????????) amplifier which merges the sounds from the various sources.
It has an overall volume control on the right, plus seperate labelled volume controls for each source - these may need adjusting for the best effect.

- "**Radio mics**" - These should be located in the unit.
  - ?Batteries?……....
  - - You will need to raise the aerials on the top of the unit for these to work.
  - - Make sure the lowest device is powered up - this being the radio mic. controller.
  - - The volume control on it may need to be adjusted seperately.
- "**Lower floor link**" – this links up with the cafe????
- "C**D/MP3 player**" – see below.
  - ?handset for this?
- "**TV audio**" -

HDMI box (perhaps)

Can receive pictures from the unit in the Sanctuary – perhaps?

Loop system (blue device).

This is the blue box, a Signet PDA 500/2.
This controls the loop system for hearing aid users:
There is a set of lights showing the level being output.
You will need to check what's being transmitted with one of the users.

Player - Adastra AD-400 multimedia unit.

Last seen price £129 (27/7/2025).
CD player with USB and SD card inputs and a built in FM tuner. Supplied with a handheld IR control and a 3.5mm jack IR extender lead for remote operation. CD, USB or SD tracks can be accessed directly by track number or by track/folder navigation buttons. Output is via 2 RCA connectors or digitally via the optical output. FM radio reception can be set up by connecting an FM aerial to the rear panel antenna socket.
Slot feed CD player
Backlit LCD display
Random and repeat playback modes
Supplied with remote control and IR extender lead

Audio Visual systems - Details.

Links below need Ctrl key holding down to operate.

Amplifiers.

TOAA-1800 mixer power amplifier.

Blurb.

Operating instructions.

HDMI splitter.

CYP PU-1H7HBTPL

Operating instructions.

Last seen price £1,012.48 (20/7/2025).

The PU-1H7HBTPL enables a single HDMI source input to be distributed to 7 HDBaseT™ Lite with PoC outputs. The HDBaseT™ Lite outputs allow uncompressed distribution of HDMI, and IR signals over a Single CAT5e/6/7 cable up to lengths of 60m. Product Code - PU-1H7HBTPL

Features -

- •Supports all v1.4 HDMI resolutions plus 4k
- •HDMI, HDCP, & DVI compliant
- •Supports uncompressed video/audio up to 10.2Gbps
- •Supports resolutions VGA~WUXGA, 480i~1080p, 4K UHD@24/25/30Hz (RGB 4:4:4 & YUV 4:2:2), 4K UHD@ 60Hz (YUV 4:2:0), 4K/2K@24/25/30Hz (RGB 4:4:4 & YUV 4:2:2) and 4K/2K@ 60Hz (YUV 4:2:0) dependent upon the output display's EDID settings
- •Supports HDCP repeating and CEC functions
- •Supports 1080p distances up to 60 meters through CAT5e/6 cables
- •Audio support up to 7.1CH & Dolby TrueHD, DTS-HD
- •Supports HDMI / IR
- •Supports 3D signals
- •Supports PoC (power over cable) providing power for the receivers
- •Supports 4K/2K & 4K UHD - CAT5e/6 = 35m & CAT6a/7 = 40m
- •Inputs: 1x HDMI [1x HDMI Uncompressed AV and Data], 1x 3.5mm Stereo mini-jack [1x Infra Red Receiver]
- •Outputs: 1x HDMI [1x HDMI Uncompressed AV and Data], 7x RJ45 [7x HDBaseT Lite PoC HDMI & Propriety Data], 1x 3.5mm Stereo mini-jack [1x Infra Red Emitter]

Loop systems.

Signet PDA 200/2 (Sanctuary) and 500/2 (Bembridge room) induction loop amplifier.

Operating instructions.

These are designed for areas up to 200m^2 (Sanctuary unit) and 500m^2 (Bembridge room).

Why they are this way round defies logic!

The front panel of the amplifier has level controls for the two microphone inputs and Outreach panel input channel. along with a level control to adjust the strength of the magnetic field generated and a metal compensation control to help combat any frequency response issues normally caused when excessive metal absorbs the magnetic field.

A 3.5mm jack socket for headphones allows the user to monitor the audio output signal and a current meter, along with a two LED visual representation of the amplifier's compression, gives the user performance information at a glance.