

**INSTRUCTIONS ON HOW TO USE THE HITACHI ED-X12**  
**VIDEO/DATA PROJECTOR AS SUPPLIED BY**  
**LOOK & LISTEN *Multimedia***

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***Be careful that children do not look directly into the light beam or touch the lens.***

***After connecting to a computer, switch on the projector before the computer.***

***When finished, switch off the bulb, not the mains, and allow the projector to cool down.***

In the winter bring in the video recorder and videos from a car first before setting up the equipment, to allow maximum time for them to warm up, and connect the video recorder to the mains as soon as possible. (Condensation can damage the recorder head.)

**SETTING UP:**

I suggest that you set up this equipment well in advance of the starting time for showing the video or computer presentation, to ensure you are ready. The video/data projector should be put on a table or firm base so that it cannot be knocked over, or pulled off if the leads were tripped over. (Tie the leads around the table leg?)

When setting up the screen, attach the top to the arm so that it is leaning towards the projector. This will allow you to have the screen higher than the projector for easier viewing, as the beam needs to be near to right angles to the screen. To alter the angle of the projector there is a button on each side which allows the feet to be adjusted. If the screen cannot be moved use the menu to alter the setting for the KEYSTONE. You will not need blackout with this projector, but ensure there is no bright light directly on the screen.

**Setting-up the leads for use with video**

[a] Take the lead that has 3 coloured phono jack plugs each end. These plugs have centre pins that stick out which are used to take the video and audio signals from the video recorder to the projector. Put the yellow plug into the corresponding coloured socket on the SCART adapter (this converts the video recorder output from SCART to Phono). Plug the adapter into the rear of the video recorder and the other end of the yellow lead into the corresponding projector coloured input. The CP-X1 has no red and white audio in but has got a single audio in say from a laptop using a phono.

Plug a mains extension lead, which has at least a double socket, into a suitable mains outlet, and plug the projector and video recorder into this.

[b] If you are using a separate amplifier to the projector's internal amplifier, then these are the instructions. The 30' long audio lead is used to connect the video recorder's sound output by plugging the phono jack plug into the video recorder's SCART white and red sockets. Take the wire to the amplifier, ideally by going along the back of chairs to the left and then down the side of the room to the front, and then back out to where it is positioned. This reduces the chance of tripping. (All leads that might be tripped over, please fix down with Gaffa tape.) Put the large jack plug of the long lead into the line input socket of one amplifier. The other large plug is used when both amplifiers are used. Switch on the mains and turn the volume control down. The two phono to minijack socket lead supplied by us, is used with computer speakers. The jack socket to XLR male plug is used with PA systems. The stereo mini jack to mini jack lead is used to take sound from a computer / laptop to the projector.

### **Running a video test on the projector**

This section will enable you to set the volume controls on the amplifiers and the focus controls on the projector, so that when the audience has arrived, the equipment is already set up.

[a] Push the mains switch on the video projector and press the STANDBY/ON button on the remote or STANDBY/ON button on top of the projector.

[b] Adjust the 'FOCUS' of the lens on the projector by turning the ring of the lens. Adjust the front feet of the projector by pressing the button on each side of the projector - lift the projector at the same time and release the button.

[c] Push the videotape into the video recorder and press 'VIDEO' on the remote control or INPUT on the projector. When the picture appears on the screen and thus sound should be available, go to the separate amplifier and turn the volume control to give the sound volume required. [Note that when the room is full of people, their clothing will absorb some of the sound volume]. Further adjustment can be made using the remote. The sound can be switched off by pressing MUTE on the remote control.

[d] BLANK button on the remote can blank the picture. This is very useful when using Song Management Software to blank the screen in between songs. To change the blank screen from blue to black use MENU, then image, and then blank.

[e] FREEZE on the remote can hold a screen image on 'PowerPoint' whilst making changes or when using Song Management Software.

[f] The menu of the projector can be operated on the projector or remote control.

### **Using a computer**

[a] Always make connections between the computer and the projector when they are switched off. To use a laptop connect the computer to the projector using the supplied cable, or, if a PC, disconnect the monitor cable from the computer and connect the computer to the projector using the supplied cable. We can supply a radio mouse which is none directional and easier to use than infrared ones.

### **Shutting-down procedure**

When you have finished using the projector, press twice STANDBY/ON on the projector or STANDBY/ON on the remote. When the fan has stopped, unplug the projector. To extend the life of the bulb try not to unplug the projector less than five minutes after using it. If the projector is accidentally switched off at the mains wait a minute before switching it on again. Replace the lens cap in its position.

Clean the air filter every 100 hours **or three months** by using a vacuum cleaner. The number of hours can be seen by going to the options part of the menu via the advanced menu. When 100 hours has been exceeded, two red lights flash on the projector and then eventually a message comes up on the screen. Use a vacuum cleaner on the outside of the filter. Then using the menu, go to options, filter, and press and hold the right menu arrow button on the projector or the remote control to bring up a further menu to reset the number of hours. This method is also used to reset the hours of the bulb after it has been changed.

### **The Welcome Screen & Lock**

There is a choice of three options for the default image to be shown when the projector is turned on. Menu, advanced, screen, start up. One of these enables you to have the image of your choice. Some people like to display the name of the church or organisation perhaps with a telephone number. To enter your own image, follow the Menu through Advance, Screen, My Screen, Execute. (We create a song on SongPro called projector start up screen or PowerPoint could be used). When the image has been recorded, removing the input cable will confirm the new image as the default.

For security reasons, some people like to lock this default image with a pin code, so that in the unlikely event that the projector is stolen, the owner's name and telephone number will always be displayed. The projector comes without a pin code set. The code for accessing the security functions on the ED-X12 is 3046. To set up or to change the pin code, go to Options in the Menu, Security, go right and enter. The default code is (3046). Suggest that this is changed. Then you have a menu to do the screen display protection. To set up or to change the pin code, you have to go to Screen Lock | Lock Off. Next you press the right menu arrow once, let go, then hold it down for 3 seconds. This will give you a four digit pin number entry screen

### **Packing away procedure**

Disconnect all leads and be careful not to bend the pins on the RGB cable. In the unlikely event of the projector becoming faulty within the three years warranty period, contact us. If it is not repaired within seven working days we will arrange for you to have a loan unit.

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