OPERATION MANUAL
ELP 15.0” : Prompter
ELP 12.1” : Prompter

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Applications

This TFT-LCD line, in Open Frame format, is specially designed for Multimedia (Video & RGB) systems or applications like:

BROADCAST , CCTV ,INSTRUMENTS, TELEPROMPTER

Features

- TFT Active Matrix display
- Low power consumption
- No Radiation
- Speedy response time
- Open Frame format for easy integration
- Multimedia applications (Video,RGB)
- Mirror feature
- Easy to mount in low deep spaces (60mm max)

In box elements

Before the installation of your Multimedia Open Frame Monitor, please check the contents of the shipping carton, it must contain the following items :

- The Multimedia Open Frame unit
- Power cord
- Warranty card
- User's Manual
- Power supply 12V

Operation

•Power connection

1- Plug the power cable from the power supply into an AC socket of 220 Vac.
2- Plug the 12Vdc cable into the jack socket on the Open Frame unit.
3- Turn on the monitor.

•Signal connection

1- Plug a signal cable to a CVBS signal generator, and the other end of the cable into the CVBS input from the back of your Open Frame unit. The CVBS connector from your Open Frame is an standard BNC.

2- Plug a 15 pin cable into the connector from the back of your Open Frame unit, and the other side to a RGB signal generator or a PC.

3- You can switch between the Composite Video and RGB by pressing SELECT button.

Trouble Shooting

- The Open Frame monitor doesn't turn on :
  - Check the power connections from the AC plug to the DC plug on the rack unit.
- No input signal :
  - Check the input signal cables.
  - Check if you have selected the correct input signal.
- No image displayed :
  - Check the status of the Brightness, Contrast and Colour controls.
- Bad quality image :
  - Check the input signal cable.
  - Check if the protection film from the TFT panel has been extracted.
- Other problems : Please contact your distributor.

0.0.1 On-screen Menu

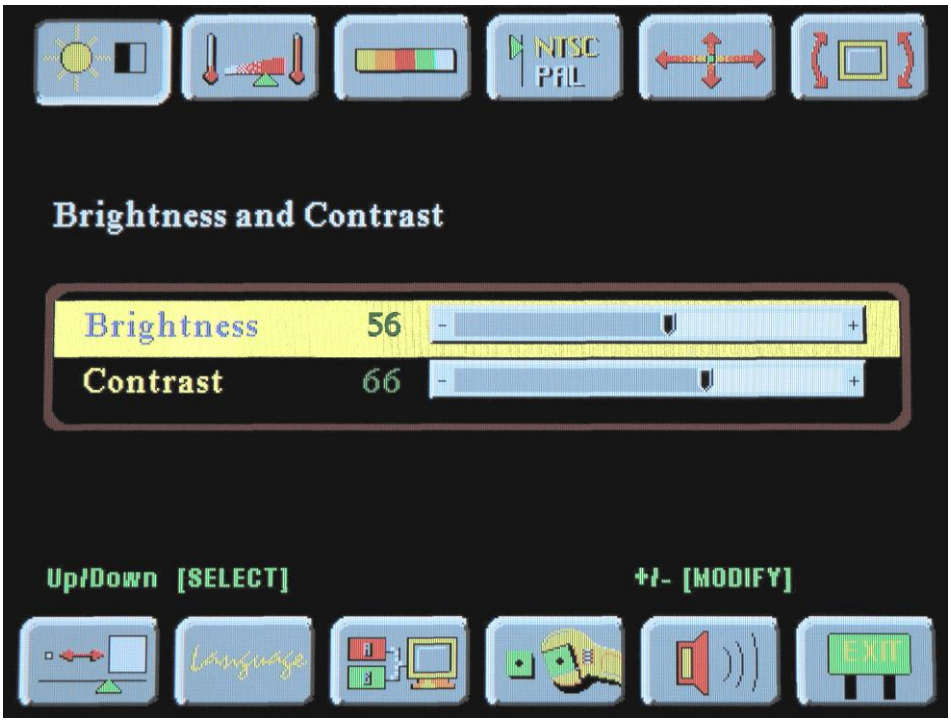


Figure 1 On-screen menu

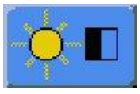
Use the **Menu** button to bring up the menu on the screen. The menu display will time out after a short period of inactivity (depending on the **User Timeout** setting on the **Utilities/User Settings** menu. After a timeout, pressing **Menu** will restore the menu at the page where you left it.
With the menu displayed, use the **Menu** button to page through the ten available pages represented by the icons. The selected icon has a black border at the top instead of at the bottom, giving the icon the appearance of being depressed.

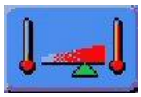
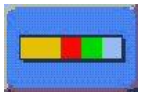
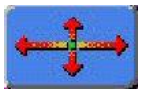
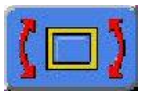
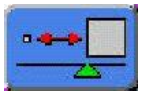
Selected Unselected

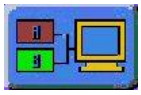
Notes:

1. Menu options such as Brightness will not function in the absence of a video signal input from the PC.
2. The items of the on-screen menu may change as the design of the converter board evolves.

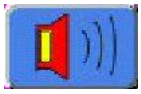
Use the **<** button where the on-screen menu refers to the – button.
Use the **>** button where the on-screen menu refers to the **+** button.
^ is the Up button. **v** is the Down button.

	**Brightness and Contrast** Use the **^** and **v** buttons to select the required function. Use the **<** and **>** buttons to decrease/increase the selected

	function. There are 100 steps. Press **Menu** to move to the next menu page.
	**Colour Temperature 9500, 8000, 6500, 5000 K** Use the **^** and **v** buttons to highlight a temperature. Use the **<** or **>** button to select that temperature for adjustment. Use the **^** and **v** buttons to choose red, green or blue for adjustment. Use the **<** and **>** buttons to adjust the red, green or blue content. Press **Menu** to return to the main menu.
	**Video Adjustment** Use the **^** and **v** buttons to select between colour, tint and sharpness adjustments, picture type and video type. Use the **<** and **>** buttons to adjust the selected option: **Colour**: Video colour level **Tint**: Video tint level **Sharpness**: Image sharpness **Picture Type**: **Motion**, **Still**, **Normal**. Select the **Motion** option for prompting display. **Video Type**: **DVD**, **VCR**. Select **DVD**. Press **Menu** to proceed to the next menu page.
	**Video System** Use the **^** and **v** buttons to select the required system: **Auto**: automatic detection of NTSC or PAL (not SECAM) NTSC NTSC 4.43 PAL PAL M SECAM Press **Menu** to proceed to the next menu page.
	**Position** Use the **^** and **v** buttons to shift the image vertically. Use the **<** and **>** buttons to shift the image horizontally. Press **Menu** to proceed to the next menu page.
	**Rotate** Use the **^** and **v** buttons to rotate the image between landscape the portrait formats. Press **Menu** to proceed to the next menu page.
	**Video Scaling** Use the **^** and **v** buttons to select the required option: Normal Letterbox Letterbox with subtitles Non-linear For non-linear options, use the **<** or **>** buttons to set the

	parameters. Use the **^** and **v** buttons to select from: Horiz clipping, Horiz offset, Horiz stretch, Vert clipping, Ver offset, Vert stretch. Use the **<** and **>** buttons to adjust the selected parameter. Press **Menu** to return to the main menu.
	**Language** Use the **^** and **v** buttons to select the required language: English Danish Chinese Press **Menu** to proceed to the next menu page.
	**Video Type** Use the **^** and **v** buttons to select the appropropriate video type: Analogue RGB Component video Compositve video S-video Press **<** or **>** to confirm your selection. Press **Menu** to proceed to the next menu page.
	**Utilities** Use **^** and **v** to highlight the required option. Press **>** to confirm your selection. **User Settings***:* Use **^** and **v** to highlight the required **User Setting** and then use **<** and **>** to set the value/selection as required. **User Timeout**: Adjust the on-screen menu timeout period in a step of 5 seconds (max 50 seconds) **DPMS**: Disable / Enable the DPMS function. Select **Enable**. **Display Input**: Disable /Enable the input source name on screen **Auto Source Select** : Off - Disable auto source select function. Low - Enable Auto source select ONLY on power up. High - Auto source select ALWAYS enabled. **Gamma** : 1.0, 1.6 or 2.2 **Video Port Select:** Press **>** to access this option. The Composite, Svideo and Component options must all be set to **Port 1**. Press **Menu** to return to the **User Settings** menu. **Caution**: If you select **Port 2** for **Composite**, you will lose the video input. You will also lose access to the menu and this will prevent you from restoring the setting. If this occurs, connect the prompter as a PC monitor by connecting a monitor cable from the PC

	to the VGA input (Port 2). This will enable to accessthe menu and restore the **Composite** option to Port 1. Press **Menu** to return to the main menu.
	OSD Setting Use OSD Setting options to control the on-screen menu. Use **^** and **v** to highlight **OSD Settings**. Press **>** to confirm your selection. OSD Horz Position : move the on-screen menu horizontally OSD Vert Position : move the on-screen menu vertically. OSD Background : Translucent / Opaque OSD Rotate : Normal / Rotate Press **Menu** to return to the main menu. **Freeze** : Freeze the image Use the **>** button to freeze and restore the image **Zoom** : Use **^** and **v** to select Zoom Level, Horizontal or Vertical Pan. Use **<** and **>** to adjust the selected option. Press **Menu** to return to the main menu. **Direct Access #1 and 2:** Use these options to define the options of the **<** (#1) and **>** (#2) buttons when the menu is not on screen. Use the **^** and **v** buttons to select the desired option from the list. Press **>** to confirm your selection. Note that PIP (picture in picture) is not available in this application. The factory defaulta are Brightness for **<** and Contrast for **>**. **Display Orientation** : Use this option to set the orientation of the displayed image. Use the **^** and **v** buttons to select the required option and **>** to confirm your selection. Press **Menu** to return to the main menu. **Load Factory Defaults** : This restores all settings to their default factory values. Press **>** to confirm.

	**Volume** This is not used in this application.
	**Exit** Press **>** to remove the menu from the screen.

Warning

1- Do not scratch or roub the TFT panel surface with any kind of abrasive substances or materials.

2- Do not use any abrasive detergent, solver, bleaching agents or chloric agents.

3- Do not stick any labels on the TFT panel surface.

4- Do not open the rear cover.

5- Do not apply too much pressure to the TFT panel surface.

6- Always use the power supply that you find in the box with the unit.

Options

•Touch Screen

Capacitive for high quality applications. You can only touch the screen with your finger and the protection level is high.

To control this Touch Screen you receive a diskette with the necessary software and a user manual. The interface for the Touch Screen is a 9 pin serial connector to plug in a free COM port of your PC.

1- **DC Input:** DC jack connector, power supply input 12V . Internal pin 2.5 mm. Positive interior and negative exterior.

2- **Video Input :** Composite video input (CVBS). BNC connector.
3- **VGA Input :** 15 pin connector Mini D_Sub for the VGA signal input. (See screen specifications for vertical refresh frequencies)

•Mechanical

ITEM	1500F01MF/MR	1210F01MF/MR
Overall Dimensions (mm)	371(W) 272(H) 60(D)	313(W) 230(H) 50(D)
Weight (Kg)	3.5 Kg	2.5 Kg

• Electrical

ITEM	1510F01MF/MR	1210F01MF/MR
Power Input	12 Vdc ±5%	12 Vdc ±5%
Consumption (W)	25W	12W
Video input	Composite level 1 Vpp Luma level 1 Vpp Chroma level 0.286 Vpp	
Video mode	PAL-M/N/B/G/H/I/D/K/L NTSC-M/N/4.43 SECAM	
Vertical refresh rates	640x350@70Hz 720x400@70Hz 640x480 @ 60~75Hz 800x600 @ 56~75Hz 1024x768 @ 60~75Hz	640x350@70Hz 720x400@70Hz 640x480 @ 60~75Hz 800x600 @ 56~75Hz
Response Time	30 ms	35ms
Operating Temp.	0º C to +50º C	0º C to +50º C
Storage Temp.	-20º C to +60º C	-20º C to +60º C

2.1 Rigging Procedure

Figure 2.1 shows an example of a prompter and hood mounted on the front of a camera.

Figure 2.1 Installed prompter

The prompter assembly is supported by a mounting plate that sits beneath the camera. Two rods attached to the mounting plate are bolted to an extrusion that supports the hood and the prompter monitor. The prompter monitor attaches to the extrusion by means of a pair of brackets. The hood attaches to the extrusion via two support bars.

There are three common types of plate for mounting the prompter assembly on a camera mount:

- Type ARI/1 This is a sliding two-part mounting plate for ENG pan and tilt heads (see *Figure 2.2*).
- MT/P Simple mounting plate
- MT/RED Lightweight mounting plate

2.1.1 ARI/1 Sliding mounting plate

Figure 2.2 ARI/1 Sliding mounting plate

1. Slacken the locking levers on the support rods and pull the rods as far forward as possible.
2. Slacken the sliding plate locking lever on the left hand side of top plate.
3. Depress the safety catch at the rear right hand top of bottom plate and slide the top plate off the bottom plate. (*Figure 2.3*)

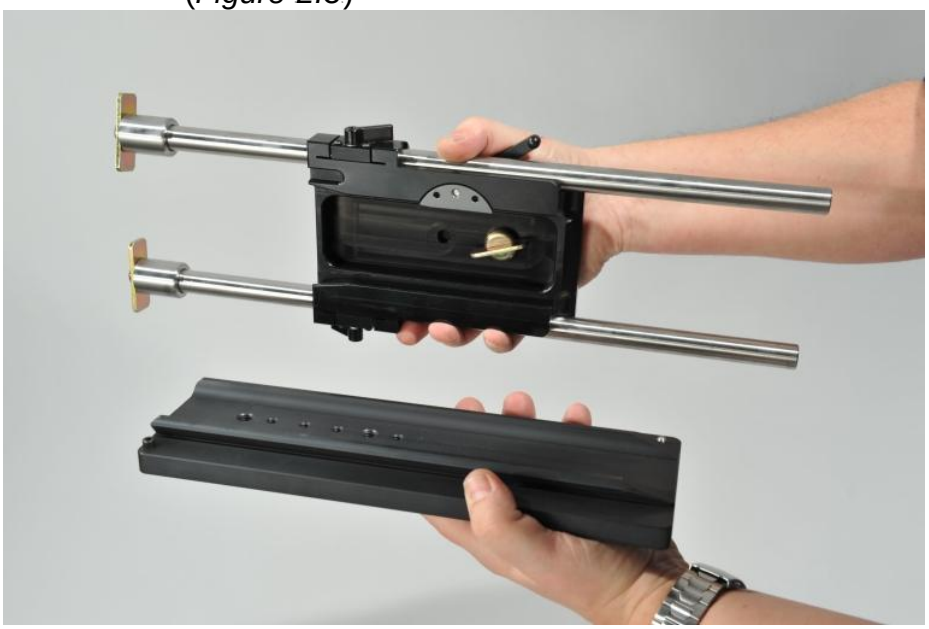


Figure 2.3 Separating top and bottom plates

4. Fix bottom plate to the pan and tilt head using the manufacturers adaptor plate or central 3/8 whit screw.
5. Fix the camera adaptor plate to top plate using captive 3/8 screw - the front of the adaptor plate should line up with the front of the sliding plate.
6. Slide the top plate back onto the bottom and fix camera.
7. Slide the extrusion onto the rods and tighten by rotating the rods. See *Section 2.1.3 Extrusion.*

8. Attach the fixing brackets to the slots on prompter monitor. The slots allow adjustment of the monitor forwards and backwards.
9. Attach the monitor to the extrusion and tighten the fixing screws.
10. Attach the hood to the extrusion and rotate the hood columns to tighten it.
11. Move the on-camera prompter unit back on the support rods until the lens is nearly touching the glass and lock in position with small locking lever.
12. Move the whole camera/prompter assembly back on sliding plate to obtain perfect balance. Lock the assembly with the large locking lever on side (*Figure 2.1)*

2.1.2 MT/P and MT/RED

1. Fix the camera adaptor plate to the riser platform of the plate.
2. Fix the main body of the plate is fixed to the pan and tilt head.
3. Replace camera. For the MT/RED use integral mounting rods. For MT/P use telescopic rods. See *Section 2.1.4 Telescopic Rods*.
4. Continue as detailed in Section 2.1.1 ARI/1 Sliding mounting plate 2.1.1 ARI/1 Sliding mounting plate as for ARI/1 but use the movement in the pan and tilt head to balance the camera.

2.1.3 Extrusion

Figure 2.4 shows the extrusion that is used in all rigs.

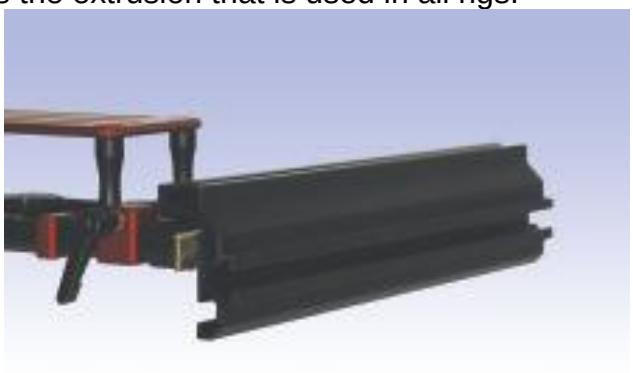


Figure 2.4 Extrusion

The on-camera prompt monitor slides onto the single slot at the front (left-hand side in *Figure 2.4* . The hood support columns slide onto the offset slot at the top. The mounting plate or rods slide into the back of the extrusion where two slots provide alternative vertical positions for the on-camera prompter.

Rods attach to the extrusion using a T-bolt that is tightened by turning the rod. See *Figure 2.5.*

Figure 2.5 Attachment to extrusion

2.1.4 Telescopic Rods

These mounting plate rods are for use with large studio pan and tilt heads such as the Vinten Vector 70, Mk VIIa etc.

Figure 2.6 Telescopic rods

1. Use the threaded holes in the front face of the wedge adaptor of the pan and tilt head. Slide on the extrusion using the appropriate slot.
2. Slacken the knurled nuts and pull the rod inners fully out.
3. Slide on the extrusion and lock in central position by rotating the inner rods to tighten onto the "T" nut.
4. Slide the on-camera prompter onto the extrusion and tighten the Allen screws. See Figure 2.7.

Figure 2.7 Rods into Vinten Wedge Adapter