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

Autoscript Ltd (UK)
Unit 2
Heathlands Close
Twickenham
TW1 4BP

Tel :+44(0) 208 8918900
Fax :+44(0) 208 8918901
Web site: http://www.autoscript.tv
email: uksales@autoscript.tv

Autoscript (USA)
391 Meadow Street
Fairfield
CT 06824

Tel: (+1) 203 338 8356
Fax: (+1) 203 338 8359
Web site: http://www.autoscript.tv
email: sales@autoscript.tv

Table of contents

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)
- DVI and Component inputs (Optional)
- 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

151OF01MF/MR	121OFO1MF/MR
2.2A	1A

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 RCA.

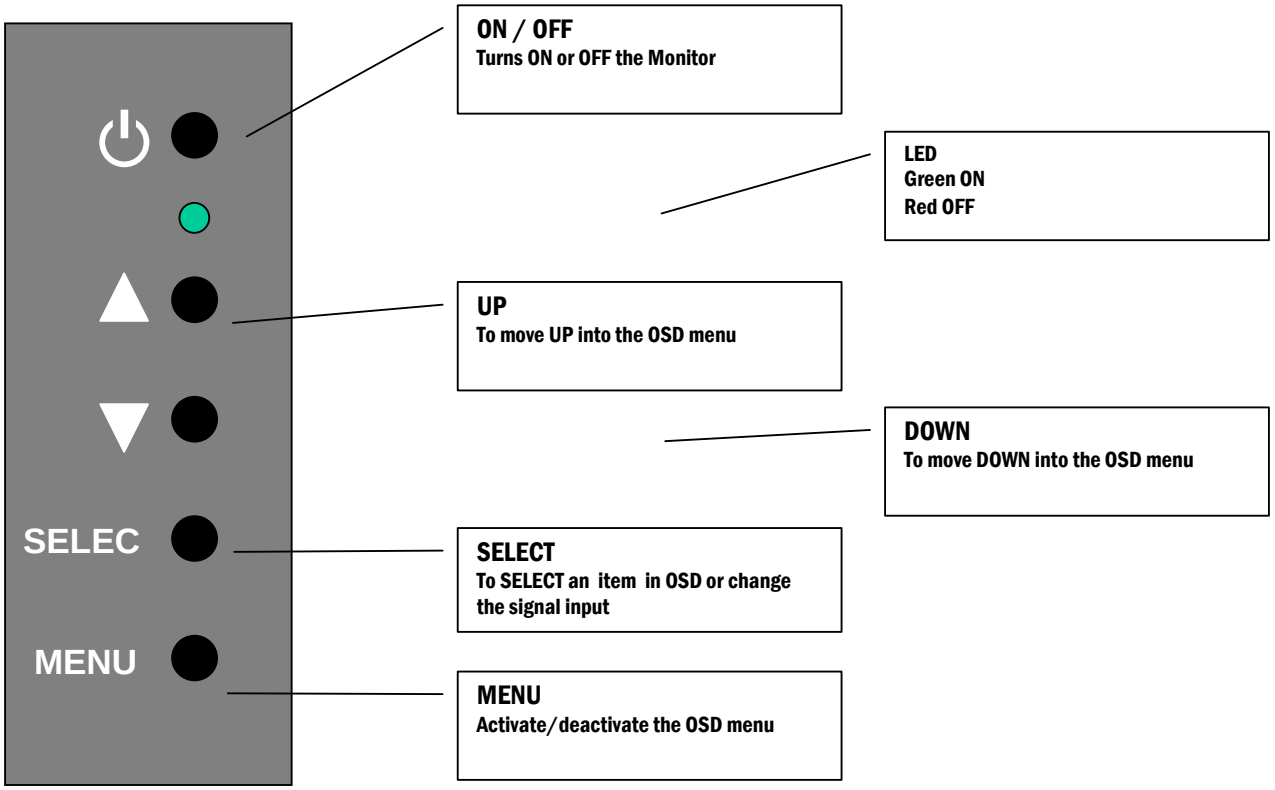
2- Plug a 15 pin cable into the connector from the back of your Open Frame unit, and the other side to a RGB signal generator or a PC.

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.
  - Chek if the protection film from the TFT panel has been extracted.
- Other problems : Please contact your distributor.

Controls



OSD Menu

Video Menu

Video	Sharpness	Controls the outline
	Brightness	Adjusts the brightness of the screen
	Contrast	Adjusts the contrast of the screen
	Color	Controls the temperature of the color
OSD	Horizontal position	Adjusts OSD Horizontal position
	Vertical position	Adjusts OSD Vertical position
	Timeout	OSD menu disappears from over the screen after setting time (0 ~ 60s)
	Transparency	Adjusts the transparency of the OSD menu
	Language	Selects language
Advanced	Factory preset	Initializes the current mode
	Information	The normal state of the monitor
	Left/Rigth	Mirror
	Up/Down	Up/down
	Aspect ratio	16/9 o 4/3 (only wide)
Audio	Volume	Adjusts the volume level
	Balance	Adjusts the audio balance
	Treble	Adjusts the volume of the high sounds
	Bass	Adjusts the volume of the low sounds
	Mute	Turns the sound on and off
Input Select	RGB	Analog signal (RGB)
	S-VHS	S-video mode
	Video	Video (CVBS) mode
	Digital	DVI (option)
	YCBRB	Component (option)

Menu OSD

RGB Menu

Picture	Auto Adjustment			Automatically adjusts the H and V positon, H size and phase.
	Horizontal Position			Adjusts the horizontal position of the screen's image
	Vertical Position			Adjusts the vertical position of the screen's image
	Horizontal Size			Adjusts the Horizontal Size of the screen's image
	Phase			Adjusts the focus of the screen's image
Color	Auto Adjustment			Adjusts the color balance of the screen
	Brightness			Adjusts the brightness of the screen
	Contrast			Adjusts the contrast of the screen
	Temperature	6500K		Controls the temperature of the color
		9300K		
		user	R	Controls the intensity of the color of the screen's image
			G	
			B	
OSD	Horizontal Position			Selects OSD menu horizontal position
	Vertical Position			Selects OSD menu vertical position
	Timeout			OSD menu disappears from over the screen after setting time (0 ~ 60s)
	Transparency			Adjusts the transparency of the OSD menu
	Language			Selects one of the five languages
Advanced	Factory preset			Initializes the current mode
	Information			The normal state of the monitor
	Mirroring			Flip left/right
	UP/Down			Flip up/down
	Aspect ratio			16/9 o 4/3 (only wide)
Audio	Volume			Adjusts the volume level
	Balance			Adjusts the audio balance
	Treble			Adjusts the volume of the high sounds
	Bass			Adjusts the volume of the low sounds
	Mute			Turns the sound on and off
Input Select	RGB			Analog signal (RGB)
	S-VHS			S-video mode
	Video			Video (CVBS) mode
	Digital			Mode DVI (option)
	YPbPr			Mode Component (option)

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.

Input connectors

1 2 3 4 5 6 7 8

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

2- **Video Audio Input (L) :** Audio input Left channel. RCA connector
3- **Video Audio Input (R) :** Audio input Right channel. RCA connector
4- **Video Input :** Composite video input (CVBS). RCA connector.
5- **S-VHS Input :** S-VHS video input. Mini Din 4 pin connector.
6- **RGB Input :** 15 pin connector Mini D_Sub for the RGB signal input. (See screen specifications for vertical refresh frequencies)

Optional connectors

7- **RS-232 or 485 Input:** Mini D_Sub 9pin connector for the RS-485, to controls the input signal (CVBS o RGB) and ON/OFF. Male for RS-232 control, female for RS-485 control.

8- **Touch Screen :** 9 pin Mini D_Sub connector with 50 cm cable for the touch screen connection to your PC computer.

Specifications

•Displays

ITEM	1500F01MF/MR	1210F01MF/MR
Resolution (pixel)	XGA 1024(H)x768(V)	SVGA 800(H)x600(V)
Active Area (mm)	304.2(W)x228.1(H)	246(W)x184.5(H)
Screen Size (inch)	15.0"	12.1"
Brightness (cd/m2)	250	300
Contrast Ratio	350:1	200:1
Pixel pitch (mm)	0.297(W)x0.297(H)	0.3075(W)x0.3075(H)
Viewing Angles	(U/D) 45º/45º (L/R) 60º/60º	(U/D) 40º/55º (L/R) 60º/60º

•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	
RGB input	Analog RGB 0.7Vpp Sync.TTL Separate, composite and Sync.On Green	

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

Serial Port Protocol

1.COMMAND FORMAT

Format = HDR CMD C1 C2 <V1 V2 V3 V4>
HDR = ' ['
CMD = ' Q | I | A | S | q | i | a | s | + | - '
C1 = ' 0 … 9 '
C2 = '' A ..Z ' | ' a …z '
V1 = ' 0 ... 9 ' | ' – '
V2 = ' 0 ... 9 '
V3 = ' 0 ... 9 '
V4 = ' 0 ... 9 '

	0	1	2	3	4	5	6	7
QUERY CURRENT VALUE	' ['	'Q'|'q'	C1	C2				
QUERY MINIMUN	' ['	'I'|'i'						
QUERY MAXIMUN	' ['	'A'|'a'						
SET VALUE	' ['	'S'|'s'			V1	V2	V3	V4
INCREASE VALUE	' ['	'+'						
DECREASE VALUE	' ['	'-'						

2. ACK FORMAT

ACK Format =
HDR (V1 V2 V3 V4 | "-N/A" | ">MAX" | "<MIN") CR LF
HDR = ' ['
V1 = ' 0…9' | '-'
V2 = ' 0… 9'
V3 = ' 0… 9'
V4 = ' 0… 9'
CR = ' \ x 0D '
LF = ' \ x 0A '

ACK Format (TFT -> PC)

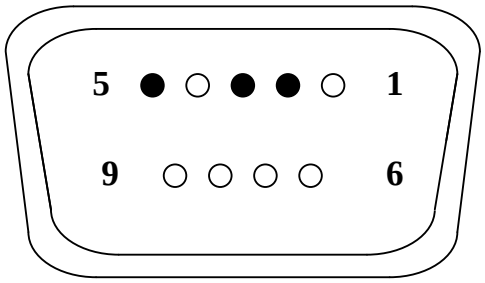
	0	1	2	3	4	5	6
VALUE RETURN	'] '	V1	V2	V3	V4	'\x0D'	'\x0A'
INVALID FUNCTION	'] '	'-'	'N'	'/'	'A'	'\x0D'	'\x0A'
New-value > MAX	'] '	'>'	'N'	'A'	'X'	'\x0D'	'\x0A'

New-value < MIN	‘] ‘	‘<’	‘M’ ‘I’ ‘N’ ‘\x0D’ ‘\x0A’

3. COMMAND LIST

	C1	C2	VALOR
Brightness	‘0’	‘A’	
Contrast	‘0’	‘B’	
Backlight	‘0’	‘C’	
Color temperature	‘0’	‘D’	0:6500K 1:8500K 2:9300K 3:USUER
H. Position	‘0’	‘E’	
V. Position	‘0’	‘F’	
H. Size	‘0’	‘G’	
Phase	‘0’	‘H’	
Auto adjustment	‘0’	‘I’	Function executed by ‘S’ command with dummy VALUE
Auto color balance	‘0’	‘J’	Function executed by ‘S’ command with dummy VALUE
OSD H. Position	‘2’	‘A’	
OSD V. Position	‘2’	‘B’	
OSD Blending	‘2’	‘D’	
OSD Duration	‘2’	‘E’	10:10s 20:20s 30:30s 60:60s
OSD Language	‘2’	‘F’	0:English 1:Spanish 2:French 3:German 4:Italian
Brigthness	‘1’	‘A’	
Contrast	‘1’	‘B’	
Color Saturation	‘1’	‘C’	
Tint	‘1’	‘D’	
Sharpness	‘1’	‘E’	
Volume	‘3’	‘A’	
Balance	‘3’	‘B’	
Treble	‘3’	‘C’	
Bass	‘3’	‘D’	
Mute	‘3’	‘E’	0:Mute OFF 1:Mute ON
Input Selection	‘4’	‘A’	0:Analog RGB 1:Digital 2:Video 3:S-Video 4:YPbPr
Save User Preferences	‘4’	‘B’	Function executed by ‘S’ command with dummy VALUE
Factory Preset	‘4’	‘D’	Function executed by ‘S’ command with dummy VALUE
Display Aspect	‘4’	‘E’	Wide panel only

4. RS232 CONECTOR



1	----------	N.C.
2	----------	TXD
3	----------	RXD
4	----------	N.C.
5	----------	GND.
6	----------	N.C.
7	----------	N.C.
8	----------	N.C.
9	----------	N.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*)

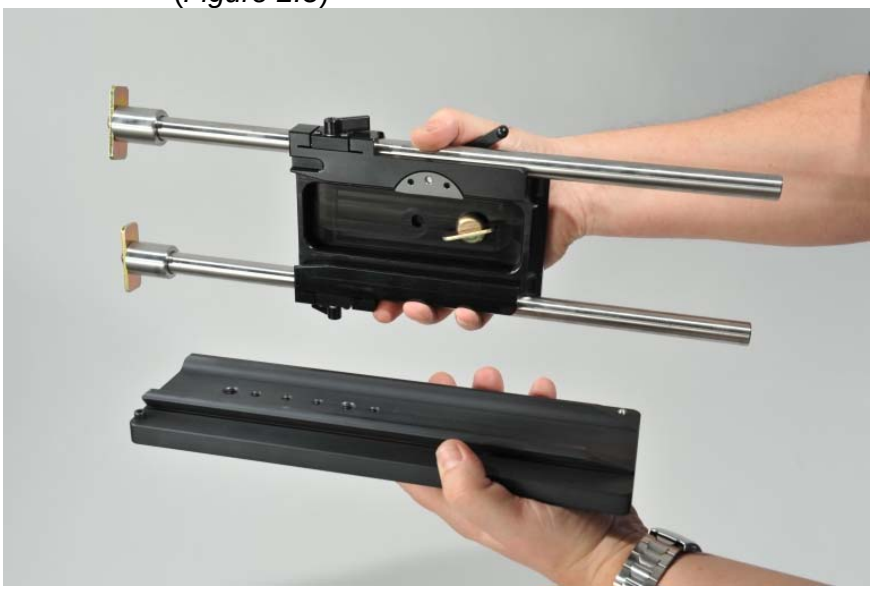


Figure 2.3 Separating top and bottom plates

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 plate2.1.1 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.

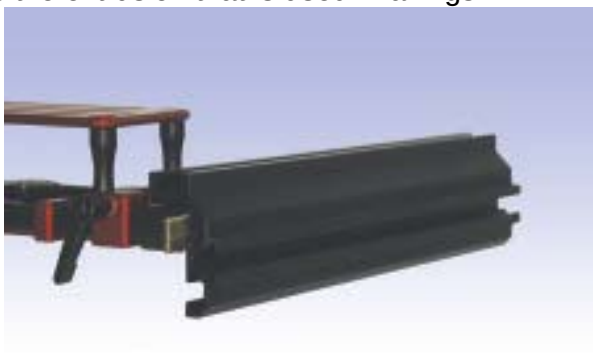


Figure 2.4 Extrusion

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