

USER MANUAL

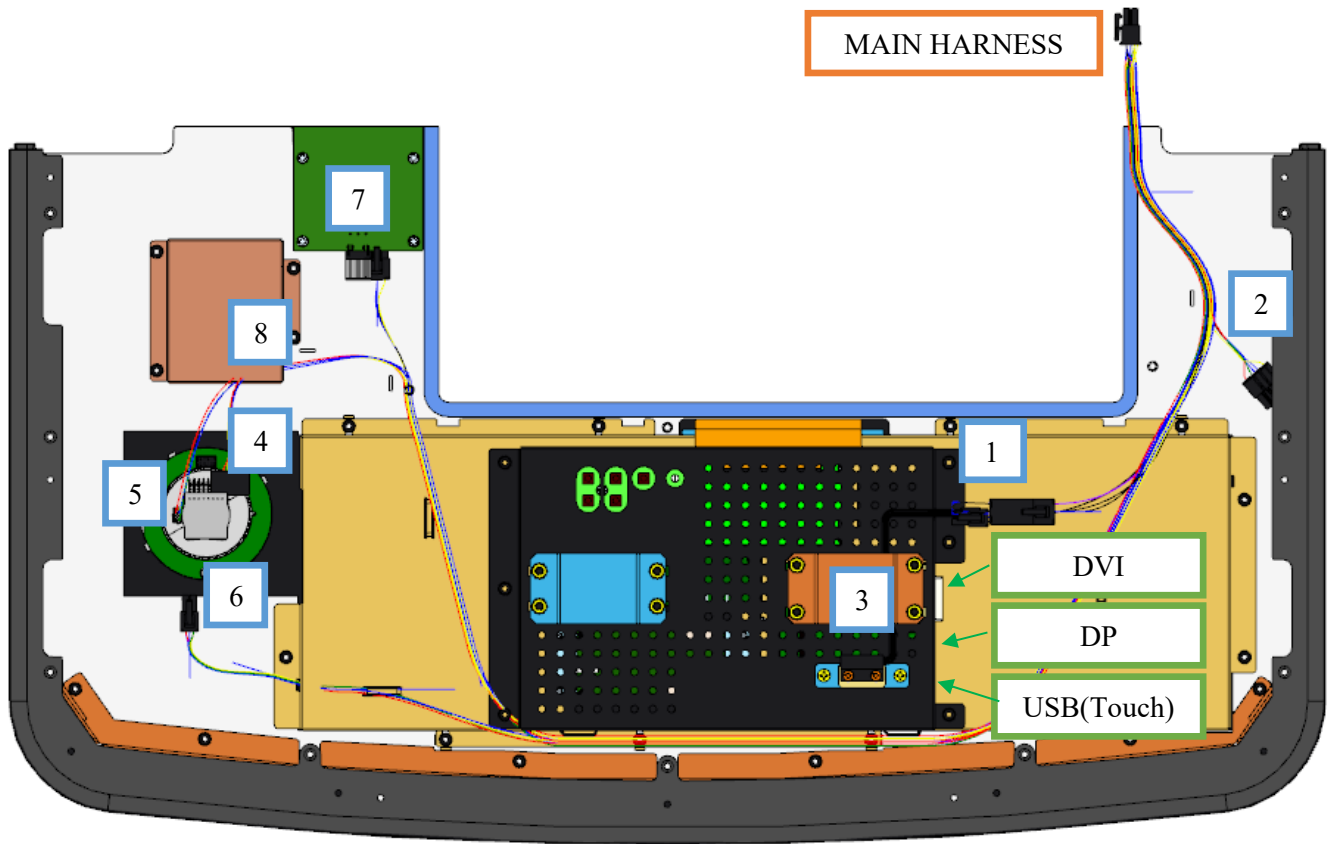
MODEL: EFL-1903B



Rev.	1.0
Date	2023.08.14

USER MANUAL

1. CABLE CONNECTIONS WITH CABINET



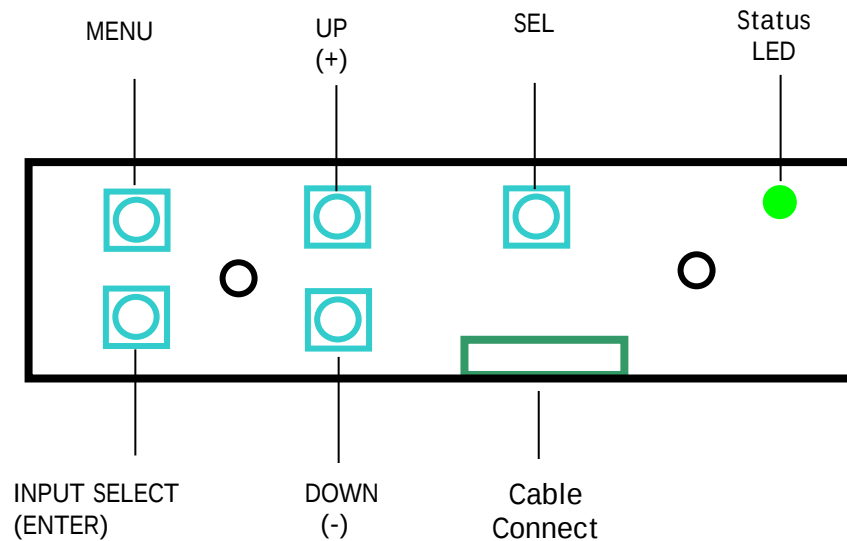
<REAR>

NO	CABLE CONNECTION (CABLE LABEL - MATCHING PART)	NOTE
1	LCD PWR - Power Input MOLEX	
2	FRONT BZL - LED STRIP	
3	DROP DR- SWITCH-REED-PIGTAIL	
4	PLAY BTN - BUTTON	
5	HALO - BUTTON	
6	LIGHT TABLE - BUTTON	
7	ARROW-LED PCB	
8	Wireless Chager Connection	USB C TYPE

USER MANUAL

2. USER CONTROL & OSD

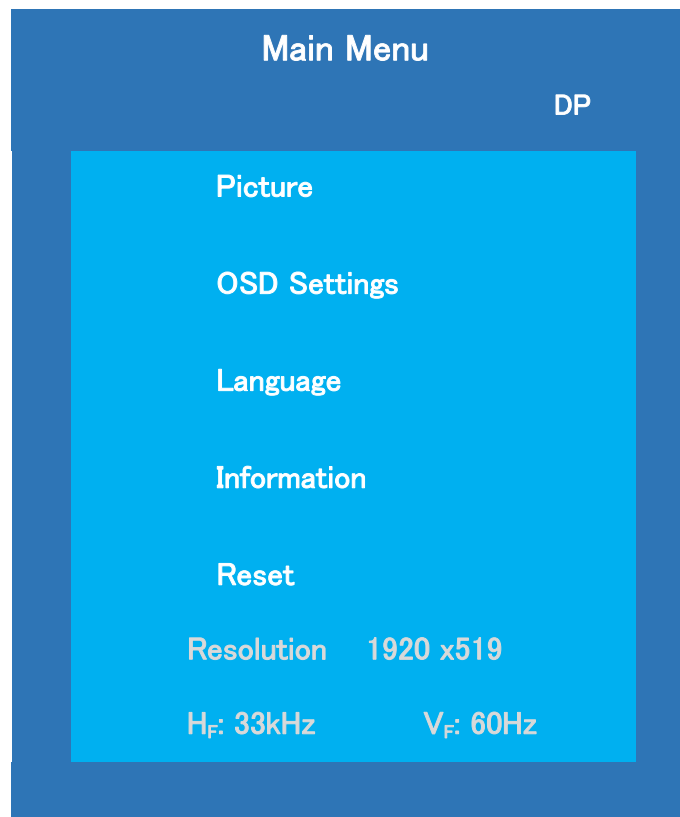
A. Key Control Board



SWITCH NAME	SWITCH FUNCTIONS
MENU	▪ Activate / Deactivate the OSD Menu Window. ▪ Deselect the current menu or fuction
SEL	▪ Select the current menu or fuction
UP(+)	▪ Move cursor at Main Menu ▪ Increase the value of the selected function
DOWN(-)	▪ Move cursor at Main Menu ▪ Decrease the value of the selected function.
INPUT SELECT	▪ Select the input signal (DVI->Display Port->DVI...) ▪ When power off / on, the last memorized input mode will be displayed.

USER MANUAL

B. OSD Menu Screen



C. OSD Control Functions

CONTROL		FUNCTION
Picture	Brightness	Adjust the brightness level of the Display (0~100)
	Contrast	Adjust the contrast level of the Display. (0~100)
	Color Settings	Choose different preset color temperatures. (Normal/Warm/Cool) or set your own customized color parameters by Red, Green, Blue bar. (0~100)
OSD Settings	Horizontal position	Adjust the position of the display horizontally.
	Vertical position	Adjust the position of the display vertically.
	OSD Hold Time	Adjust the Hold time of OSD Menu
Language		Select the OSD languages(English, Española, French,

USER MANUAL

	Deutsch, 한국어)
Information	Displayed the Panel P/N, Scaler Board P/N, Scaler FW ID.
Reset	Recall the factory setting value.
Resolution	Displayed the resolution of input signal.
H _F / V _F	Horizontal & Vertical Frequency of current resolution

3. STANDARD DISPLAY MODE

No.	Resolution	Vertical Frequency	Note
1	720 x 400	70.0 Hz	
2	640 x 480	60.0 Hz	
3	800 X 600	60.3 Hz	
4	1024 X 768	60.0 Hz	
5	1920 X 519	60.0 Hz	Optimum

USER MANUAL

4. Wireless charger

U15qt-6053 is a WPC 1.2.4 Qi compatible multi-function fixed frequency and voltage regulation wireless charging platform: its transmission efficiency can reach $70\% \pm 5\%$, and it can also provide transmission capacity up to 15W. It can power or charge any WPC Qi certified product, and it can also provide fast wireless charging for Samsung mobile phones.

A. Input Characteristics

Item		Minimum		Normal		Maximum
Input Voltage		11.0Vdc		12.0Vdc		13.0Vdc
Charging Mode	Qi_5W	Qi_10W	Qi_15W	Samsung Fast Charger	iPhone Fast Charger	
Frequency	110~148KHZ					$127.7\text{KHZ} \pm 0.4\text{KHZ}$
TX Input Voltage		Rx_Module				
		Qi-5W	Qi-10W	Qi-15W	Apple 7.5W	Samsung 10W
12.0Vdc		✓	✓	✓	✓	✓
USB fast charger		✓	✓	✓	✓	✓
		Remark: To support 15W wireless charging, the minimum output of the USB fast charger must be greater than 20W.				

B. output Characteristics

Output	Rated Load				
Power	Min. Load	Max. Load	Peak Load	Output Range	Remark
15W	0.10A	1.25A	1.50A	12V $\pm 5\%$	

USER MANUAL

5. Specification

MODELS

EFL-1903B: 19 inch LCD monitor

GENERAL

Native Resolution: 1920 x 519
Viewing Area: 476.64 x 128.9 mm
Pixel Pitch: 0.24825 mm x 0.24825 mm
Brightness: 500 cd/m²
Contrast Ratio: 3000:1
Panel Life: Min 30,000 hours
Viewing Angle (H/V): 178° / 178°
Display Colors: 16.7 million

ELECTRICAL

Power

(Monitor): DC 12V, 1.8A

(LED): DC 12V, 1.7A

(Wireless Charger): DC 12V, 2.0A

Input Interfaces Terminal: DVI / DP

Touch Screen: PCAP/USB

Wireless Charger

Input port: USB type-C

Frequency: 110 ~ 148 kHz

Max target Power: 7.96 dBuV/m @ 300m (FCC/IC), 4.10 dBuA/m @ 10m (CE)

PHYSICAL

Dimensions: 711 x 387.9 x 46.8 mm

ENVIRONMENTL

Operating: 0 to +40 C

Storage: -10 to +60 C

Operating/Storage: Humidity up to 95%

USER MANUAL

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. **This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.** This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada Statement

This device complies with RSS-216 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Ce dispositif est conforme à la norme CNR-216 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Industry Canada Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.