

OWNER'S MANUAL

LG Digital Signage (MONITOR SIGNAGE)

Please read this manual carefully before operating your set and retain it for future reference.

43UL3J-B 43UL3J-N
50UL3J-B 50UL3J-N
55UL3J-B 55UL3J-N
65UL3J-B
75UL3J-B
86UL3J-B



PRODUCT SPECIFICATIONS

The product specifications below may be changed without prior notice due to upgrade of product functions.
 “~” refers to alternating current (AC), and “—” refers to direct current (DC).

LCD screen	Screen type	Thin Film Transistor (TFT) Liquid Crystal Display (LCD) Screen
Video signal	Maximum resolution	HDMI1,2,3: 3840 x 2160 @ 60 Hz - This may not be supported on some OS or graphics card types.
	Recommended resolution	HDMI1,2,3: 3840 x 2160 @ 60 Hz - This may not be supported on some OS or graphics card types.
	Horizontal frequency	HDMI1,2,3: 30 kHz to 136 kHz
	Vertical frequency	HDMI1,2,3: 58 Hz to 62 Hz
	Synchronization	Separate Sync, Digital
Input/ Output ports		HDMI IN 1, HDMI IN 2, HDMI IN 3, RS-232C IN/OUT, LAN IN, USB 2.0 IN x 2, AUDIO OUT
Embedded battery		Applied
Environmental Conditions	Operating Temperature	0 °C to 40 °C Portrait: 0 °C to 35 °C (43UL3J, 50UL3J, 55UL3J, 65UL3J, 75UL3J) Portrait: 0 °C to 30 °C (86UL3J)
	Operating Humidity	10 % to 80 %
	Storage Temperature	-20 °C to 60 °C
	Storage Humidity	5 % to 85 %



43UL3J-B, 43UL3J-N

LCD screen	Pixel pitch	0.2451 mm (H) x 0.2451 mm (V)	
Power	Rated Voltage	100-240 V~ 50/60 Hz 1.2 A	
	Power Consumption	On Mode: 80 W (Typ.) Sleep Mode: ≤ 0.5 W Standby Mode: ≤ 0.5 W	
Dimensions (Width x Height x Depth) / Weight	Head	967 mm x 564 mm x 57.1 mm / 8.8 kg	

50UL3J-B, 50UL3J-N

LCD screen	Pixel pitch	0.2854 mm (H) x 0.2854 mm (V)		
Power	Rated Voltage	100-240 V~ 50/60 Hz 1.4 A		
	Power Consumption	On Mode:	50UL3J-B	105 W (Typ.)
			50UL3J-N	90 W (Typ.)
		Sleep Mode: ≤ 0.5 W Standby Mode: ≤ 0.5 W		
Dimensions (Width x Height x Depth) / Weight	Head	1121 mm x 651 mm x 57.1 mm / 11.7 kg		

55UL3J-B, 55UL3J-N

LCD screen	Pixel pitch	0.315 mm (H) x 0.315 mm (V)	
Power	Rated Voltage	100-240 V~ 50/60 Hz 1.7 A	
	Power Consumption	On Mode: 105 W (Typ.) Sleep Mode: ≤ 0.5 W Standby Mode: ≤ 0.5 W	
Dimensions (Width x Height x Depth) / Weight	Head	1235 mm x 715 mm x 57.5 mm / 14.0 kg	



65UL3J-B

LCD screen	Pixel pitch	0.372 mm (H) x 0.372 mm (V)
Power	Rated Voltage	100-240 V~ 50/60 Hz 2.0 A
	Power Consumption	On Mode: 130 W (Typ.) Sleep Mode: ≤ 0.5 W Standby Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1454 mm x 838 mm x 57.7 mm / 21.5 kg

75UL3J-B

LCD screen	Pixel pitch	0.4296 mm (H) x 0.4296 mm (V)
Power	Rated Voltage	100-240 V~ 50/60 Hz 2.3 A
	Power consumption	On Mode: 155 W (Typ.) Sleep Mode: ≤ 0.5 W Standby Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1678 mm x 964 mm x 59.9 mm / 31.4 kg

86UL3J-B

LCD screen	Pixel pitch	0.4935 mm (H) x 0.4935 mm (V)
Power	Rated Voltage	100-240 V~ 50/60 Hz 3.4 A
	Power Consumption	On Mode: 220 W (Typ.) Sleep Mode: ≤ 0.5 W Standby Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1927 mm x 1104 mm x 59.9 mm / 45.2 kg



Wireless module(LGSBWAC95) Specifications**Wireless LAN (IEEE 802.11a/b/g/n/ac)**

Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	19
5150 to 5725	18
5725 to 5850	13.5

Bluetooth

Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	9

- As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.
- For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

(Only Nigeria)

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission

(Only HongKong)

Wireless module(LGSBWAC95) Specifications**Wireless LAN (IEEE 802.11a/b/g/n/ac)**

Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	19
5150 to 5725	18
5725 to 5850	13.5

Bluetooth

Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	9

- As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.
- For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.



(Only Vietnam)

Wireless module(LGSBWAC95) Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	17.5
5150 to 5725	17.5
5725 to 5850	13.5
Bluetooth	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	9

- As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.
- For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

(Only Philippines)

Wireless module(LGSBWAC95) Specifications	
Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	18.5
5150 to 5725	18
5725 to 5850	18
Bluetooth	
Frequency range (MHz)	Output power (Max.) (dBm)
2400 to 2483.5	9

- As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.
- For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm between the device and the body.

* FCC ID: BEJLGSBWAC95 / IC: 2703H-LGSBWAC95



HDMI (PC) Support mode

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)	Remark
800 x 600	37.879	60.317	
1024 x 768	48.363	60	
1280 x 720	44.772	59.855	
1280 x 1024	63.981	60.02	
1680 x 1050	65.29	59.954	
1920 x 1080	67.5	60	
3840 x 2160	67.5	30	HDMI1/2/3
3840 x 2160	135	60	HDMI1/2/3

HDMI (DTV) Support Mode

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)	Remark
480/60p	31.5	60	
576/50p	31.25	50	
720/50p	37.5	50	
720/60p	45	60	
1080/50i	28.1	50	
1080/60i	33.75	60	
1080/50p	56.25	50	
1080/60p	67.432	59.94	
1080/60p	67.5	60	
2160/30p	67.5	30	HDMI1/2/3
2160/50p	112.5	50	HDMI1/2/3
2160/60p	135	60	HDMI1/2/3

Contact Us**More Details**

LICENSES

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This product qualifies for ENERGY STAR®.

Changing the factory default configuration and settings or enabling certain optional features and functionalities may increase energy consumption beyond the limits required for ENERGY STAR® certification.

Refer to ENERGYSTAR.gov for more information on the ENERGY STAR® program.

(Except for 43UL3J-B, 86UL3J-B)

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