



# User Manual

## BR Series

**MPC-BR10 - MPC-BR12 - MPC-BR15 - MPC-BR17**

**MPC-BR19 - MPC-BR21W - MPC-BR24W**

Here is an easy-to-locate form to record the unit's serial number, and from the invoice, record the invoice date. The unit's serial number is located on the back panel.

If the unit ever requires service, please refer to this information when contacting the MarinePC Service Center.

**Product Name**

**Serial Number**

**Invoice Date**

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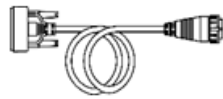
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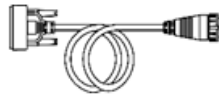
## I. Accessories



DC power cable  
(10feet)



D-SUB15-Circular  
Cable (4 feet) (Option)



CVBS Cable  
10feet

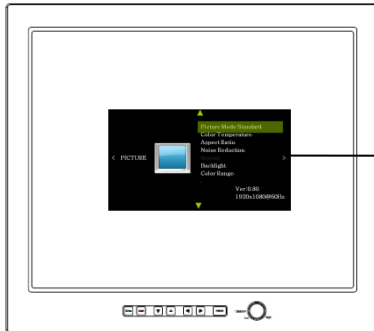


DVI-Circular Cable  
(10feet)(Option)

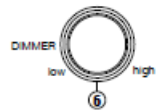
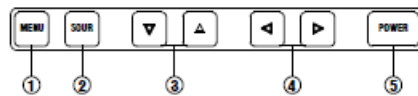


Hardware

## II. Buttons and Indicators



Adjustment menu

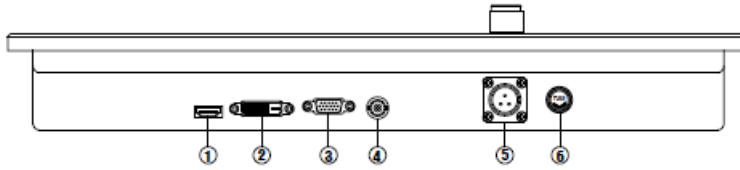


### 1. Button Description

Button Name	Description	
① Menu button	Menu Active/OSD window on.	
② Source button	Select Menu/Sources window on.	
③	-Down	Down move.
	-Up	Up move.
	-Left	Left move, decrease
	-Right	Right move, increase
④ Power button	Turn Power On & Off (Press 1 second)	
⑤ Dimmer	Adjust luminance of back light.	

### III. Connecting Cable

#### 1. Power and I/Os



Item	Description
①	USB
②	DVI
③	VGA
④	CVBS
⑤	Power In (DC 11~36)
⑥	Fuse

#### 2. Connecting Cables

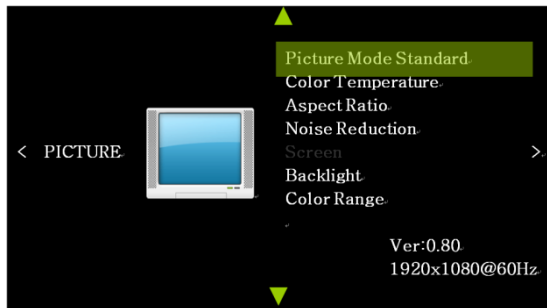
- 1) Connect a power cord to the DC power connector.
- 2) Connect the monitor to an equipment using appropriate cables.
- 3) Turn on the monitor first before turning on the device.

### IV. OSD Menu

You can use the OSD to adjust the picture quality, OSD position and general settings. For advanced settings, please refer to the following page.

#### 1. Key Navigation and Control

##### 1) Entering the OSD menu



##### 2) Making Adjustments and settings

Use the up/down buttons to select the main menu.

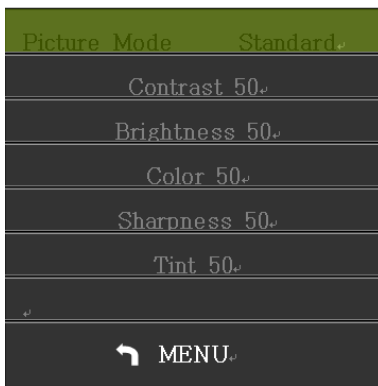
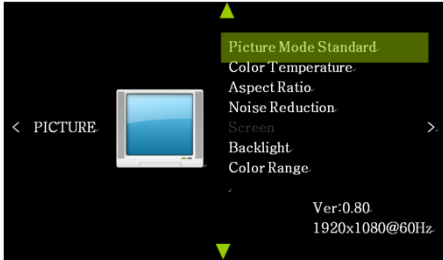
##### 3) Exiting the Adjustment menu

To return the main menu, move to the 'Return' item and press then menu button. The following table shows all the adjustment menu's adjustment and setting menus.

## 2.OSD Menu Description

### 2-1. Picture Mode Standard

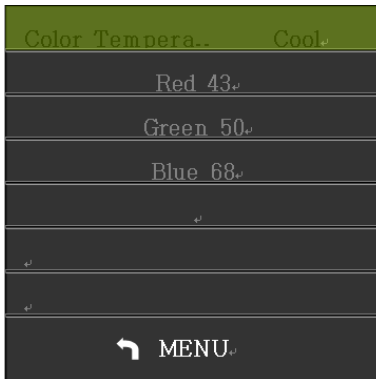
- Adjust the brightness, Contrast and Sharpness of the monitor
- Press Source in Picture and select User.



Picture Mode	User
Contrast	Adjust the contrast of the screen
Brightness	Adjust the brightness of the screen
Color	Adjust the color of the screen image
Sharpness	Adjust the Sharpness of the screen image
Tint	AV:NTSC

### 2-2. Color Temperature Mode

- Adjust the color temperature user mode.



Color Temperature	User
Red	Adjust red ◀▶
Green	Adjust green ◀▶
Blue	Adjust blue ◀▶

### 2-3. Aspect Ratio

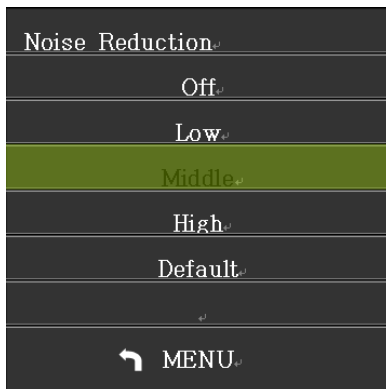
- Adjust the Aspect Ratio.



Aspect Ratio	Adjust Source
Auto	▼▲
4:3	▼▲
16:9	▼▲
Zoom 1	▼▲
Zoom 2	▼▲
Just Scan	▼▲

### 2-4. Noise Reduction

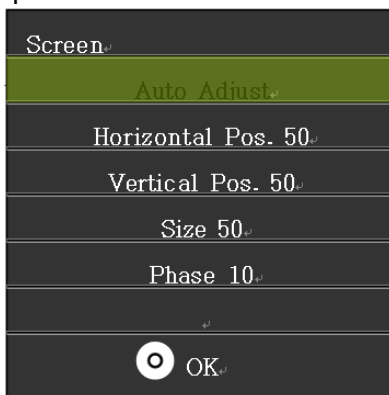
- Adjust noise reduction of the screen



Noise Reduction	
	off
	Low
	Middie
	High
	Default

### 2-5. Screen (RGB Only)

- Automatically adjust the Horizontal position, Vertical position, Horizontal size, and Phase. Window's background or characters should be displayed on your Full screen prior to proceed this function.



Auto Adjust	RGB Only
Horizontal Pos. 50	Adjust the horizontal position of the screen's image
Vertical Pos. 50	Adjust the vertical position of the screen's image
Size 50	Adjust the Size of the screen's image
Phase 10	Adjust the focus of the screen's image

## 2-6. Backlight

- Adjust the backlight of the screen. (0~100)

## 2-7. Color Range

- 0~255/ 16~135 ( Adjust the Color Range(YUV or RGB) for HDMI Input)

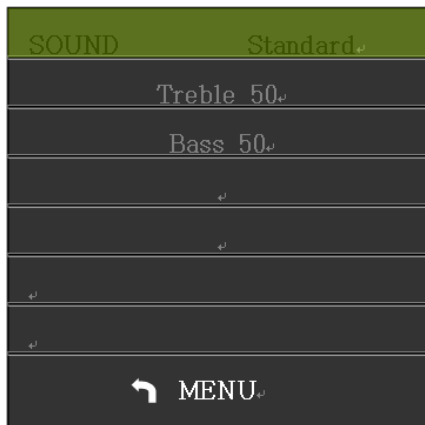
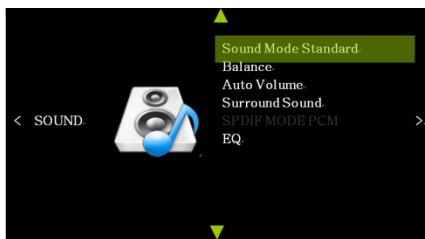
## 2-5. Utility

- Change miscellaneous settings.

## 3. SOUND

### 3-1. Sound Mode

- Sound Mode: Standard, Music, Movie, Sports, User

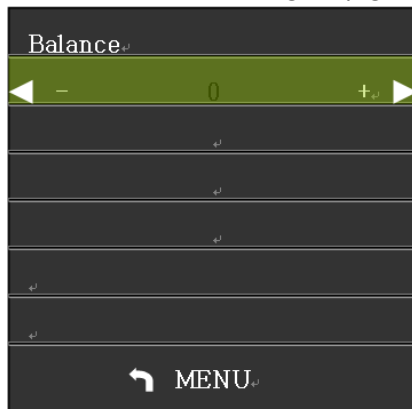


Sound	User
Treble	Adjust Treble of the sound
Bass	Adjust Bass of the sound

### 3-2. Balance Mode

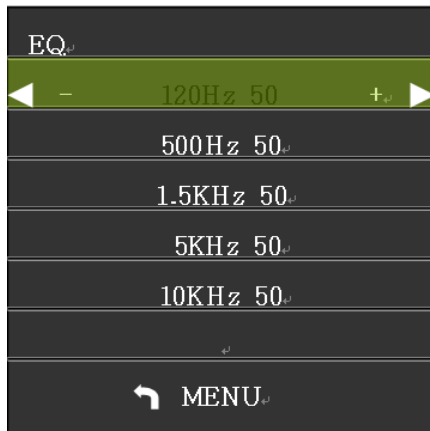
- Auto Volume: OFF / ON

- Surround Sound: OFF / ON



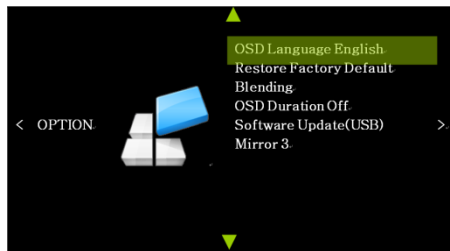
### 3-3. EQ

-. 0~100 (120Hz/500Hz/1.5KHz/5KHz/10KHz)



### 4. OPTION

-. OSD Language: English, etc.





## V. Specification

	MODEL	MPC-BR10	MPC-BR12	MPC-BR15	MPC-BR17
<b>Panel</b>	Size (Diagonal)	10.4"	12.1"	15"	17"
	Backlight	LED	LED	LED	LED
	Resolution	1024 x 768	1024 x 768	1024 x 768	1280 x 1024
	Number of Pixels	786,432	786,432	786,432	1,310,720
	Support Color	16.2 Million	16.2 Million	16.2 Million	16.7 Million
	Brightness	Max. 1000 cd/m <sup>2</sup>	Max. 1000 cd/m <sup>2</sup>	Max. 1000 cd/m <sup>2</sup>	Max. 1000 cd/m <sup>2</sup>
	Viewing Angle	176°(H)/176°(V)	178°(H)/178°(V)	160°(H)/160°(V)	170°(H)/160°(V)
	Response Time	19/16 ms(Tr/Tf)	18/17 ms(Tr/Tf)	5/11 ms(Tr/Tf)	5.5/5.5 ms(Tr/Tf)
	Contrast Ratio	1000:1[Typ.]	1000:1[Typ.]	800:1[Typ.]	1000:1[Typ.]
	Panel Surface	Anti-Reflective Coating	Anti-Reflective Coating	Anti-Reflective Coating	Anti-Reflective Coating
<b>Input Video</b>	VGA (D-sub 15pin)	Input	Input	Input	Input
	HDMI	Input	Input	Input	Input
	DVI-D	Input	Input	Input	Input
	Composite Video	Input (BNC)	Input (BNC)	Input (BNC)	Input (BNC)
<b>Power</b>	Power Supply	Internal brick power supply	Internal brick power supply	Internal brick power supply	Internal brick power supply
	Input Voltage	DC 9-38V	DC 9-38V	DC 9-38V	DC 9-38V
<b>Misc.</b>	Power Consumption	Max. 30W	Max. 30W	Max. 35W	Max. 40W
	Operating Temperature	0°C~50°C	0°C~50°C	0°C~50°C	0°C~50°C
	Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%
<b>Design</b>	Dimensions (W)X(H)X(D) mm	315x264x60±2	324x276x60±2	374x318x60±2	412x360x60±2
	IP Rating	Front Side : IP65 Rear Side : IP22			
	User Controls	OSD Control by control buttons			

	MODEL	MPC-BR19	MPC-BR21W	MPC-BR23W	MPC-BR24W
<b>Panel</b>	Size (Diagonal)	19"	21.46"	23"	24.07"
	Backlight	LED	LED	LED	LED
	Resolution	1280 x 1024	1920 x 1080	1920 x 1080	1920 x 1200
	Number of Pixels	1,310,720	2,073,600	2,073,600	2,304,000
	Support Color	16.7 Million	16.7 Million	16.7 Million	16.7 Million
	Brightness	Max. 1000 cd/m <sup>2</sup>	Max. 1000 cd/m <sup>2</sup>	Max. 1000 cd/m <sup>2</sup>	Max. 1000 cd/m <sup>2</sup>
	Viewing Angle	176°(H)/170°(V)	170°(H)/170°(V)	170°(H)/170°(V)	150°(H)/140°(V)
	Response Time	2.6/7.4 ms(Tr/Tf)	14/25ms(Typ/Max.)	14/25ms(Typ/Max.)	14/25ms(Typ/Max.)
	Contrast Ratio	800:1[Typ.]	1000:1[Typ.]	1000:1[Typ.]	1000:1[Typ.]
	Panel Surface	Anti-Reflective Coating	Anti-Reflective Coating	Anti-Reflective Coating	Anti-Reflective Coating
<b>Input Video</b>	VGA (D-sub 15pin)	Input	Input	Input	Input
	HDMI	Input	Input	Input	Input
	DVI-D	Input	Input	Input	Input
	Composite Video	Input (BNC)	Input (BNC)	Input (BNC)	Input (BNC)
	Power Supply	Internal brick power supply	Internal brick power supply	Internal brick power supply	Internal brick power supply
<b>Power</b>	Input Voltage	DC 9-38V	DC 9-38V	DC 9-38V	DC 9-38V
	Power Consumption	Max. 48W	Max. 50W	Max. 55W	Max. 70W
<b>Misc.</b>	Operating Temperature	0°C~50°C	0°C~50°C	0°C~50°C	0°C~50°C
	Operating Humidity	10%~90%	10%~90%	10%~90%	10%~90%
<b>Design</b>	Dimensions (W)X(H)X(D) mm	445x390x60±2	545x378x65±2	582x359x65±2	595x422x69±2
	IP Rating	Front Side : IP65 Rear Side : IP22			
	User Controls	OSD Control by control buttons			