

BOYO[®]

VISION

USER MANUAL

VTW7010

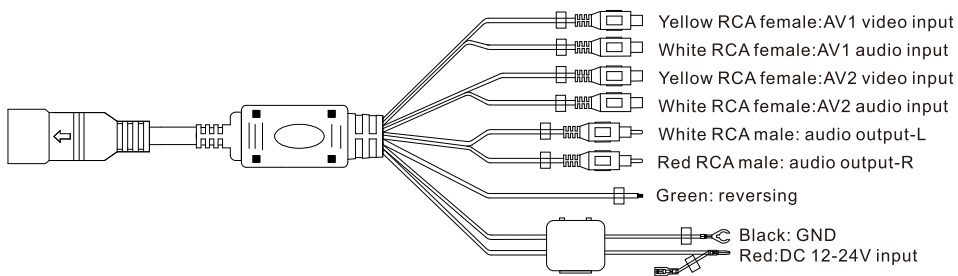


Before operating the Monitor, please read this manual thoroughly and retain it for future reference.

SPECIFICATION

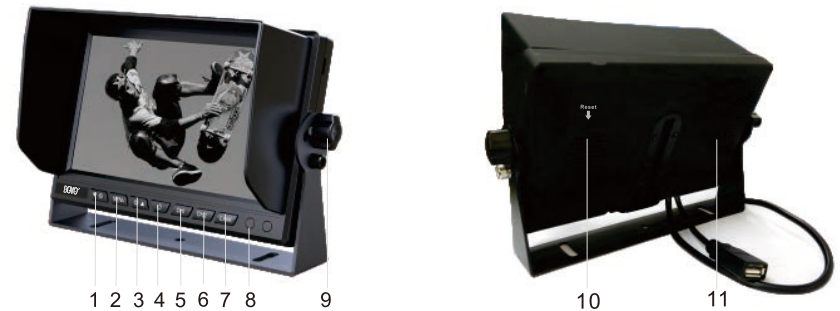
1. Size: 7 inch HD digital panel
2. Screen Ratio: 16:9
3. Resolution: 1024*R.G.B*600
4. 2 AV input
5. Built-in Miracast function
6. 1 stereo output (single channel for AV and stereo output for Miracast)
7. With speaker mute function
8. Auto reverse trigger wire
9. Trigger delay 0-10 seconds. Parking guidance can be set in the MENU
10. With USB 2.0 cell phone charging port
11. System: NTSC/PAL auto switch
12. OSD menu, Remote control
13. Power off automatically after 15 minutes with no signal or operation
14. Built-in speaker
15. Power supply: DC12-24V
16. U shaped metal bracket
17. With removable sunshade

CONNECTION



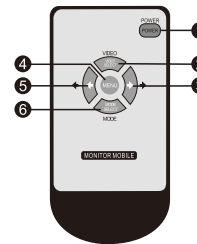
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Monitor



1. Volume decrease, menu analog quantity decrease/left option
2. Menu
3. Volume increase, menu analog quantity increase/right option
4. Power
5. Video 1, up option
6. Video 2, down option
7. LINK key, Miracast channel option key, menu confirmed key
8. Remote control window
9. Bracket knob
10. Reset key
11. Speaker

REMOTE CONTROL



1. Power
2. Selecting Source. To Adjust Up
3. Volume Increase. To Adjust Right
4. Menu
5. Volume decrease. To Adjust Left
6. To Change Ratio. To Adjust Down

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• Menu description •

The image display effect for AV1/AV2/LINK can be set separately. The setting method is as below:

After power on, callout the menu by pressing "MENU" on the remote control or panel, then press "UP/DOWN" to next menu option. Press "LEFT/RIGHT" on the remote control or panel or "LINK" on the panel to enter into current submenu. Then press "+" and "-" to adjust the specific numeric. Press "MENU" to exit current menu.

Volume: Press "+" and "-" on the panel or remote control can callout the volume menu, and press them again can adjust the specific numeric. Press "MENU" to exit the volume setting.

- 1.Auto Picture: Select auto picture under the image menu, and then press "+" and "-" to adjust the image mode. There are five options: Standard, Movie, Eco, Personal, and Vivid. Press "UP/DOWN" to enter into next menu option.
- 2.Brightness: Select Brightness under the image menu, and then press "+" and "-" to adjust the brightness, press "MENU" to confirm and return after chose the desired effect. Press "UP/DOWN" to enter into next menu option.
- 3.Contrast: Select Contrast under the image menu, and then press "+" and "-" to adjust the contrast, press "MENU" to confirm and return after chose the desired effect. Press "UP/DOWN" to enter into next menu option.
- 4.Color: Select Color under the image menu, and then press "+" and "-" to adjust the color, press "MENU" to confirm and return after chose the desired effect. Press "UP/DOWN" to enter into next menu option.
- 5.Sharpness: Select Sharpness under the image menu, and then press "+" and "-" to adjust the sharpness, press "MENU" to confirm and return after chose the desired effect. Press "UP/DOWN" to enter into next menu option.
- 6.Color Temperature: Select Color Temperature under the image menu, and then press "+" and "-" to adjust the color temperature. There are four options: Normal, Warm, User, and Cool. Press "UP/DOWN" to enter into next menu option.

7.Panel Rotate: Select Panel Rotate under the image menu, and then press "+" and "-" to set the panel rotate. There are four options: Normal, RLUD (rotate 180 degree), LR, and UD. Press "UP/DOWN" to enter into next menu option.

8.Sound Mode: Select Sound Mode under the sound menu, and then press "+" and "-" to set the sound mode. There are four options: Standard, Music, Speech, and Personal. Press "UP/DOWN" to enter into next menu option.

9.Balance: Select Balance under the sound menu, and then press "+" and "-" to adjust the balance for left/right channel, press "MENU" to confirm and return after chose the desired effect. Press "UP/DOWN" to enter into next menu option.

10.Virtual Surround: Select Virtual Surround under the sound menu, and then press "+" and "-" to open or close the virtual surround. Press "UP/DOWN" to enter into next menu option.

11.Auto Volume: Select Auto Volume under the sound menu, and then press "+" and "-" to open or close the Auto Volume. Press "UP/DOWN" to enter into next menu option.

12.Speaker Mute: Select Speaker Mute under the sound menu, and then press "+" and "-" to open or close the Speaker Mute. Press "UP/DOWN" to enter into next menu option. (Note: this function could only make the monitor speaker mute, and cannot control the audio output)

13.Menu Language: Select Menu Language under the setting menu, and then press "+" and "-" to set the menu language. There are three options: Simplified Chinese, English, and Japanese. Press "UP/DOWN" to enter into next menu option.

14. Picture Format: Select Picture Format under the setting menu, and then press “+” and “-” to set the picture format. There are five options: 16:9, 4:3, Zoom 1, Zoom 2 and Just Scan. Press “UP/DOWN” to enter into next menu option.

15. Menu Timeout: Select Menu Timeout under the setting menu, and then press “+” and “-” to set the menu display time. There are seven options: 10 Sec, 20 Sec, 30 Sec, 40 Sec, 50 Sec, 60 Sec and close. Press “UP/DOWN” to enter into next menu option.

16. Menu Transparency: Select Menu Transparency under the setting menu, and then press “+” and “-” to set the menu transparency. There are four options: close, Low, Middle, and high. Press “UP/DOWN” to enter into next menu option.

17. Power On Status: Select Power On Status under the setting menu, and then press “+” and “-” to set the power on status. There are three options: Last Memory, Standby, and power on. Press “UP/DOWN” to enter into next menu option.

18. Blue Screen: Select Blue Screen under the setting menu, and then press “+” and “-” to open or close the blue screen when there is no signal. Press “UP/DOWN” to enter into next menu option.

19. ACC Line: Select ACC Line under the setting menu, and then press “+” and “-” to open or close the ACC Line. Press “UP/DOWN” to enter into next menu option.

20. ACC Delay (Sec): Select ACC Delay under the setting menu, and then press “+” and “-” to set the ACC delay. There are two options: close and 1-10 sec. Press “UP/DOWN” to enter into next menu option.

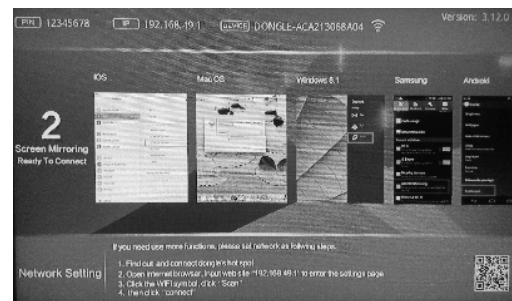
21. Reset Default: Select Reset Default under the setting menu, and then press “+” and “-” to reset default for the current channel’s image setting. Press “UP/DOWN” to enter into next menu option.

22. Input Source: Press VIDEO SELECT on the remote control to callout the input source choice menu, and then press “+” and “-” to choose the desired display channel and press “MENU” to confirm.

Miracast basic functions introduction

1. Support Airplay mirroring, support latest IOS system, suitable for iPad, iPhone and Mac notebook.
2. Support Miracast Screen Mirroring, support Android 4.2 and above system and Windows 8.1 system (computer should support HDCP).
3. Support DLNA pushing.
4. Support any Tablet PC or notebook with WiDi function to achieve Screen Share.
5. All windows devices can Screen Share by installing AirParrot software.
6. Support online movies, online TV channels, online radio and online webpage browsing, maximally support 1080P for playing local video.
7. More intelligent, can automatically identify various operating system, free of switch.

Miracast Basic Operating Introduction



1. Airplay Mirroring (for iPhone, iPad, Mac notebook)

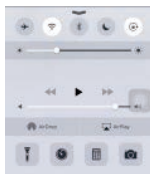
1-1. Find out and connect dongle's hot spot.

Find out the monitor's hot spot (e.g.: DONGLE-ACA213068A04) from "Setting page" of Apple devices and connect it. Default passwords: 12345678

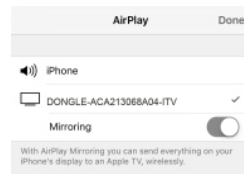


(Tips: the hot spot name has been displayed on the top of the screen, just behind the DEVICE, and the password is behind the PIN)

1-2. Open the Airplay interface of Apple device, choose the monitor's hot spot name, then start Airplay. The Apple device will share screen with the monitor.



Pic 1 Open Apple device control center



Pic 2 Enter into Airplay interface, choose the device name and then start airplay

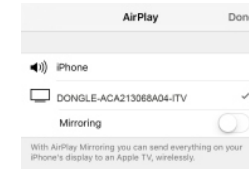
(Note: At this time, the Apple device is connected with the monitor, without WiFi connection, so it can only mirror local data, or mirror online data by using 2g/3g/4g from mobile network operator)

Note:

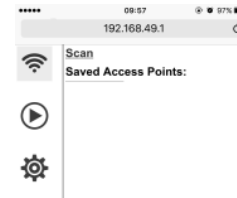
For IOS 6, double-click the HOME key or at the bottom of the main screen, you will see "Airplay" For IOS 7 or above, on main screen, sliding from bottom to upper, you will see "Airplay"
Click "Airplay", and select the monitor's hot spot name, then swiping "Mirroring" to right side, then start Airplay mirroring.

1-3. Open online data Airplay mirroring

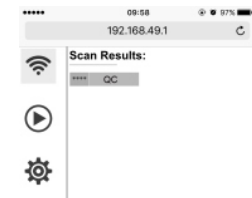
1-3-1. Exit mirror by swiping the "Mirroring" icon to the left, and back to monitor display.



1-3-2. Open internet browser and input web site IP "192.168.49.1" to enter into the setting page. Click the WiFi symbol, click "Scan" and find out available WiFi network (include hot spot from mobile device, such as smartphone, tablet PC and PC). For example "QC", click it and enter its password, then click "connect" to connect it.



Pic 1 Open browser, input website IP: 192.168.49.1 to enter into setting interface

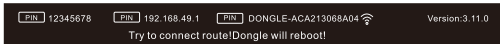


Pic 2 Click Scan, search the available wireless network



Pic 3 Choose the available wireless network, then input the password to connect

Tips: IP has been shown on the top of main interface. The monitor will be restarted and refresh screen automatically when connect to the WIFI network. And if it appears NO SIGNAL on the screen, then will need to wait for few minutes. If it shows for a long time, please switch the signal channel by pressing the button on the panel or remoter.



1-3-3. After connected the internet successfully, it will appear the connected WIFI name after the WIFI icon and refresh the monitor's IP address. At this time, the apple device have connected the WIFI network (QC), it could share the screen by opening the "Mirroring".



(Tips: after setup the WIFI network successfully, for example: QC when the monitor is connected with WIFI, any apple device could Airplay Mirroring directly after connected this WIFI network, no need setup again. If you want to exit the network, please input the new IP on the top of screen in the browser, and choose forget to close it.)

2.Miracast Mirroring (for Android and Win8.1)

2-1.Miracast Mirroring (for Android 4.2 and up device and with Miracast function)

Open cell phone's Screen Mirroring function, choose monitor hot spot to start connect.

For example: DONGLE-ACA213068A04. Share screen after connected successfully. And if your cell phone connected WIFI or 2G/3G/4G network, it could mirror local data and network video, no need any other setup.



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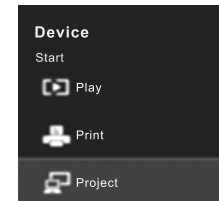
Note: For different cell phone, the method to open Screen Mirroring function will also be different. Please refer to your cell phone user manual for some more detailed information.

2-2.Miracast Mirroring (for Windows 8.1 tablet)

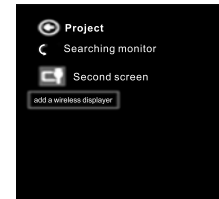
2-2-1.Move mouse to the right corner, popup list, select "Device"



2-2-2.From device list, select the last option "project"

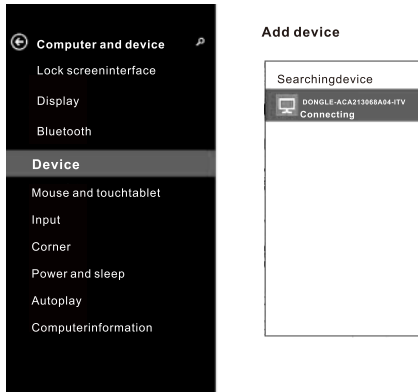


2-2-3.The first time to use project function, you need to add a wireless display.



2-2-4.After added the monitor, the computer will find out the monitor hot spot automatically, and then click add. For example: DONGLE-ACA213068A04

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Tip 1: DONGLE-ACA213068A04 device in this user manual is just the used monitor name, different monitor will have different name. Please refer to the displayed name on the top of main interface.

Tip 2: In the process of adding a device, it will prompt “press the button on your DONGLE-ACA213068A04”, please don't do anything, just ignore it.)

2-2-5. Succeed connecting, and then start mirroring.

Tip: just need click Device—Project to share screen next time, and you can find DONGLE-ACA213068A04 directly, click and connect it, mirroring start, no need add device.

Note: the laptop with win8.1 can miracast needs be Intel graphics card and network card in one and have WIDI function. If your laptop is not Intel graphics card and network card in one, it can't miracast even if it is upgraded to win8.1.

3. DLNA Video Pushing (for Apple devices and Android devices)

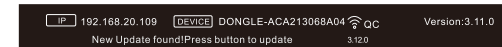
At present, some players have a built-in DLNA function, through the device; you can push video from your wireless devices (Apple or Android) to play on the device. Find out DLNA function in the player, after clicking and selecting devices, pushing start

Note: when the device is not connected with router WiFi, you can only push the local video; if the devices connected with router WiFi and your device connected to the same WiFi, you can push the online video.)



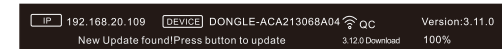
4. OTA upgrade method

4-1. Under the connection with WIFI (refer to 1.3.2), there will a hint on the top of screen if the monitor server have new version: new update found, press the button to update.

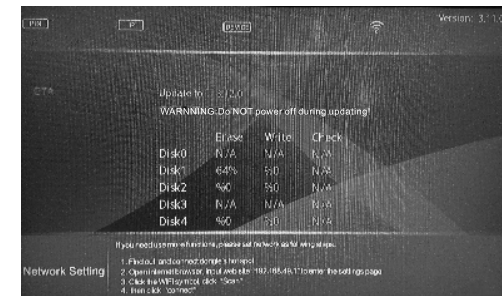


4-2. Press Reset key on the back of the monitor shortly, the monitor will download the latest software version automatically.

Tips: please just press the button within 1 sec. Maybe it needs wait for few seconds to download the latest software version for the cause of internet environment and WIFI signal intensity.

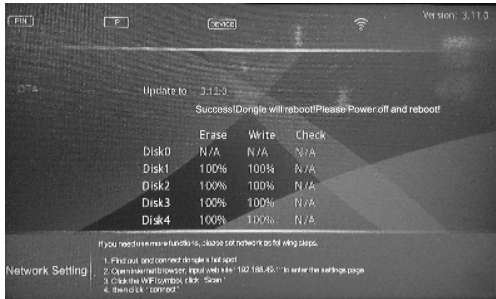


4-3. The monitor will go to OTA upgrade mode automatically after downloaded the software. And it will restart after finished the upgrade. There will be latest software version displayed on the top right corner of the screen.

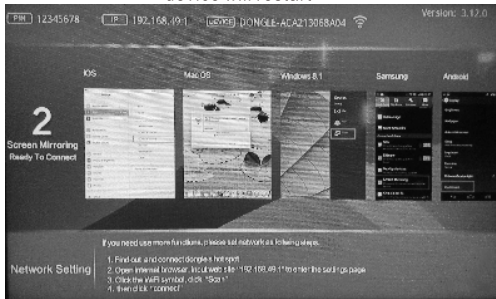


Pic 1 Updating





Pic 2 Update finished and device will restart



Pic 3 The information on the top right corner will change from 3.11.0 to 3.12.0 after updated

5. Miracast restores factory settings

Press Reset button on the back of the monitor for 10 seconds, then the monitor will delete Miracast Link users' data and restore to factory settings.

Tips: The monitor will be restarted and refresh screen automatically after restoring to factory settings. And if it appears NO SIGNAL on the screen, then will need to wait for few minutes. If it shows for a long time, please switch the signal channel by pressing the button on the panel or remoter.

6. Miracast FAQ

6-1. Video playing is not smooth

The quality of video playing depends on network environment, WiFi signal intensity, the video bit rate etc.







6-1-1. If display local video not smooth, it may because the video bit rate is too high, such as more than 1080p.

6-1-2. If display online video not smooth, it may because the monitor's signal is not good, suggest to put the monitor close to the WIFI router.

6-2. For the Android devices' system are under 4.2 or some devices don't support Miracast, how to display pictures or videos?

Using DLNA pushing function, some players have a built-in DLNA function, or you can download third party DLNA software in APP STORE.

Accessories

Remote control*1 PCS 	User manual*1PCS 
Power cable * 1 PCS(optional) 	Hex wrench*1 PCS 
Warranty card *1 PCS 	Registration form* 1PCS 

Notes

Warning: For your safety, please do not watch video when driving.
Special Statement: the LCD screen maybe has some light spot, but it is normal phenomenon in the matrix display technology, not the problem of the monitor.

Attention

Please read this menu thoroughly before operating.
The machine consists of high precision parts, so please pay attention to moisture proof.
Prevent the hard thing scratching the LCD surface
Non-professionals do not dismantle the product please, as there is high pressure in the machine.