EZCast Universal WiFi Display Dongle

Quick Installation Guide

Ver. 1.3

Thanks for using the amazing EZCast WiFi display dongle.

This is the universal quick installation guide for Visonicom EZCast WiFi display dongles to show the basic operations of EZCast dongle for Android and/or iOS users. The operations with Windows and Mac OS are similar to that with Android and iOS. For specified manual versions of Android, iOS, Windows and Mac OS, please refer to the page
http://ezcast-wifidisplay.com/ezcast-manual/
and click the links respectively

For more legible *Quick Installation Guide*, please refer to our online version:
http://ezcast-wifidisplay.com/manual/EZCast-quick-installation-guide.pdf

Users are always invited to visit our portfolio site *http://ezcast-wifidisplay.com* for more product info, demo, upgrading. Get support and share experiences, enjoy, questions and problems on EZCast forum: *http://ezcast-wifidisplay.com/ezcast-forum*

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1. Profile

Visonicom EZCast WiFi display dongle is the first Miracast (Wi-Fi Direct), DLNA, and AirPlay universal adapter that supports Miracast, DLNA and AirPlay simultaneously, with the all-in-one dongle users can easily cast/mirror the videos, photos, games and files from Android Smartphone/tablet PCs, iPad/iPhone, desktop PC/Notebook, to HDTV or projector through HDMI port wirelessly (Run EZCast for all users, or EZAir for iPhone/iPad users, or Miracast for Android phone/Android pad users), or push all the video, photo, and files to from the above mentioned devices to HDTV or projector (run DLNA), for entertainment or for business.

2. Basic Features

* Multi OS support: Android, iOS, Windows, Mac OS
* Multi protocol/standard support: Miracast, DLNA, AirPlay and private WiFi display technology - EZCast, for universal support
* Highly integrated Actions SoC AM8251
* Simple to operate
* Most compact, Power consumption < 2w
* Fast connection & low latency for superior experience
* H.264 1080P full HD video decode
* LPCM Audio Decode
* HDMI v1.3 video output
* HDCP 2.x
* Auto channel selection with high quality video streaming
* WiFi module support IEEE 801.11 b/g/n up to 150Mbps data rate with WiFi Direct capability
* Flexible power using TV standard USB port (5V/400mA) or external USB power supply

3. Physical Connection

a. Simply connect the HDMI port of the EZCast universal WiFi Display dongle with HDTV directly, or use a HDMI cable/HDMI adapter in case of necessary.
b. Connect the micro USB power port of EZCast adapter with a USB charger or USB port of TV for power supply. The adapter starts to boot up.
c. Turn on TV and select current HDMI port. The TV screen will display the booting up status of EZCast dongle.

4. Operation Tutorial

4.1 EZCast Utility/APP installation
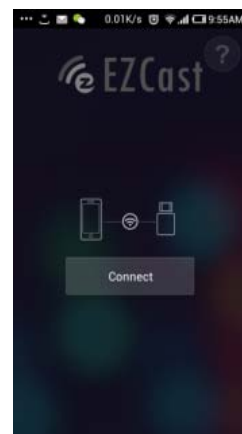
The HDTV screen shows the boot up information.

From the Screen we can find the EZCast WLAN Info: SSID, Password, and IP address. For instance, the parameters are SSID：*EZCast-06109562*, Password：*63482678*, IP address：*192.168.111.2* for EZCast dongle used for this quick installation guide.

Users then can download and install the EZCast utility/APP/APK from our server as show on the screen:
a. Our server for EZCast utility download link for Windows and Mac OS users is:
http://www.iezvu.com/download
b. iPhone/iPad users can scan the QR code to download, or search "*EZCast*" in apple store, and install
c. Android phone/tablet PC users can scan the QR code to download, or search "*EZCast*" in Google Play, and install

4.2. Get Connected

Run EZCast installed on your iPhone or iPAD, Android smart phone or tablet PC, Windows or Mac OS PC (hereafter refers them as *personal device*). EZCast will check whether the personal device is connected with the dongle, which is now working as an AP.

Connect the personal device to EZCast dongle

After connection to EZCast WLAN, back to EZCast App

4.3 Run EZCast

Run the EZCast App/APK/utility to cast/mirror/push 6 applications to your HDTV or projector through the EZCast WiFi display dongle. They are: Photo, Document, Web, Camera, Music, and Video

4.3.1 Photo - EZCast Picture

This is to cast/mirror the pictures/photos to TV or projector wirelessly. Click 📷 to browse the pictures saved in personal device.

User can even click ✏ on the upper right corner to modify the current picture and then save by click 💾.

4.3.2 Document - EZCast Documents

This is to EZCast the documents saved in personal device to HDTV or projector.
EZCast supports the following files: PDF, DOC, PPT, Excel, MAC OS Page, MAC OS numbers, and MAC OS Keynotes. This is very much helpful for meeting and business presentation.

Same as EZCast picture, modification on files is supported.

4.3.3 Web - EZCast Browser

This is to EZCast the internet browser of your personal device and enjoy on large screen on TV or projector. Users can enjoy internet surfing and online streaming on TV.
You may need access 3G/LTE internet access, or connect a wireless AP/router through the EZCast dongle for casting-while-streaming.

4.3.4 Camera - EZCast Camera

This is to EZCast the camera of your personal device, and display picture taking simultaneously on TV screen.
Click▣ to shift front/rear camera, and ▥to take picture

4.3.5 EZCast Music/Video

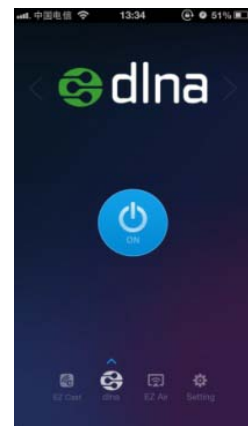This is to EZCast music/video files saved in personal device to HDTV or projector.
Click [Multimedia] to select the local music/video files to play.

Besides EZCast, the dongle also support DLNA, AirPlay and Miracast.
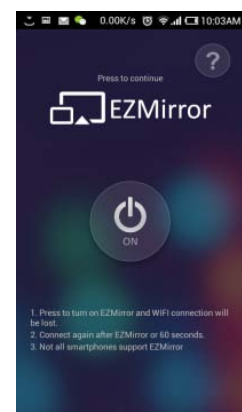
4.4 DLNA

This is to enable the DMR (Digital Media Reader) function of EZCast. When enabled, then run DMC (Digital Media Controller) utility/APP/APK to stream media files from DMS (Digital Media Server), so that to play VOD (Video on Demand) the files saved in your personal device or online. Click [?] to check the APP/APK list for DLNA enabled DMC.

See illustrations see our portfolio site:
http://ezcast-wifidisplay.com/ezcast-illustrations/

4.5 AirPlay/EZAir and Miracast/EZMirror

EZAir is to enable Apple AirPlay For iPhone/iPad users to mirror/cast picture/music/video/file saved in iPhone or iPad to TV or projector. It also supports the 3rd party APP with AirPlay support.

For Android phones and Tablet PC users, the corresponding function is EZMirror/Miracast. It is to mirror pictures/music/video saved in Android phone/tablet PC to TV or projector Click [Help] for Miracast enabled smart phones.

See illustrations see our portfolio site:
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5. Settings

5.1. Virtual Remote Control
To use the on-screen virtual wireless remote controller to change the move direction, and the center button [OK] is to confirm operation. Click [Back] to back to previous screen, or click [keyboard to enable virtual keyboard and input password.

5.2 Resolution Setting
Click [Resolution] to set up the output resolution of EZCast dongle. Supported resolutions: 1920*1080 24P, 1280*720 60P
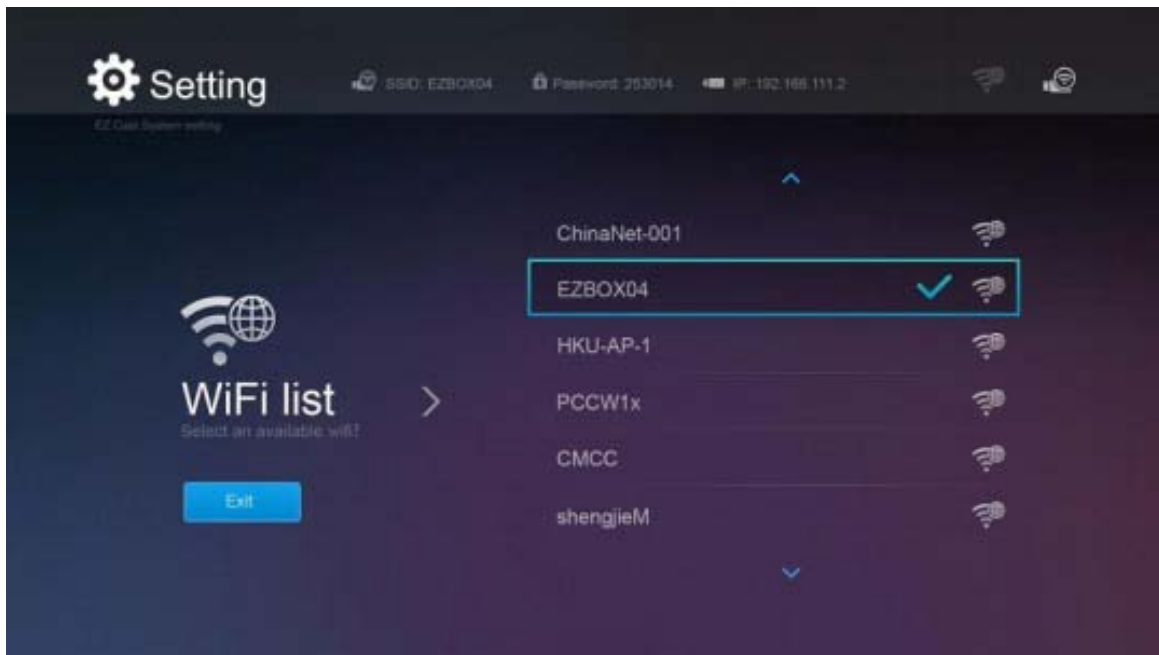

5.3 Password Setting
Click [Password] to set the password of EZCast WiFi display dongle.

5.4 Internet Setting

Click [Internet] to connect to your wireless AP/router for internet access. The EZCast WiFi display then works as an AP + repeater casting/mirroring/pushing online content or OTA (On-the-Air) firmware upgrading. This is the unique feature of EZCast dongle.
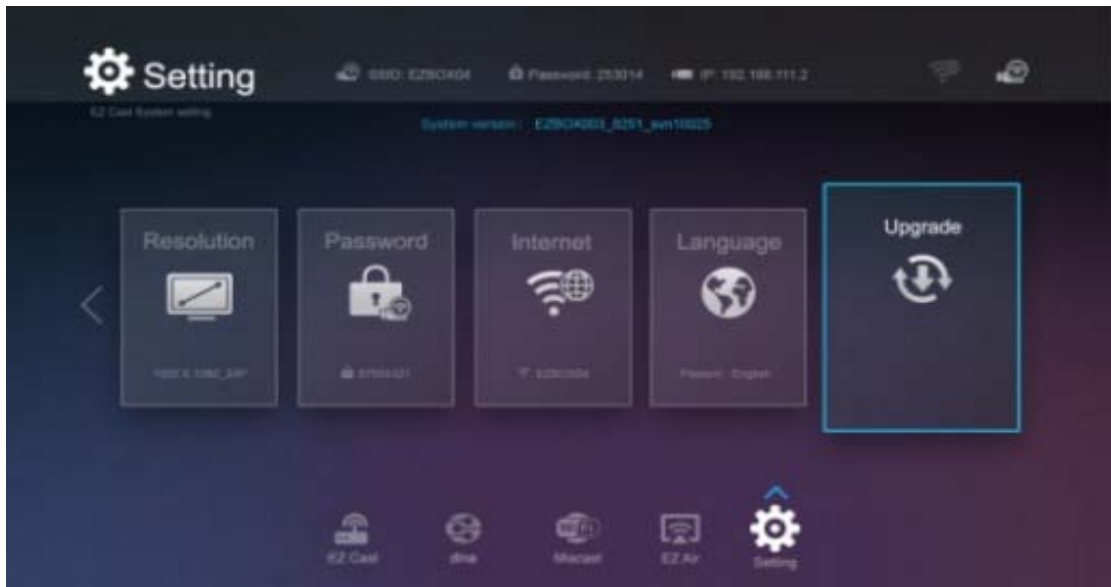

5.5 Language Setting

Click [Language] to set the language from the list. It is multilingual support.

5.6 System Upgrade

Click [Upgrade] to upgrade EZCast firmware and APP/APK OTA (On the Air) online. *Please make sure the internet connection and power supply is stable before upgrading！*

6. Specification:

Hardware Feature	
CPU	Actions (AM8251 600MHz)
RAM	DDRⅢ-1Gb
ROM	NAND Flash 1Gb
OS	Linux
Wi-Fi	802.11b/g/n 150Mbps 2.4GHz
Software Feature	
EZCast	Support Android, iOS, Windows, Mac OS
Miracast(EZMirror)	Support Miracast
AirPlay(EZAir)	Support iOS with EZAir
DLNA:DMP	Support Android/iOS/ Windows/Mac OS
Soft AP + Repeater	Support online streaming while casting
Remote Control	Virtual RC for Android/Windows/IOS/Mac
UI	Universal GUI for all OS
Interface Definition	
AV Output	HDMI 1.3 type A male
Micro USB	USB Host *1 for power supply
Power	5V/400mA USB type A to Micro USB
LED	Working Status(optional)