



4K Wireless Display Receiver

Model Name: EZCast 2



Version 0.90

03/24/2020

Revision History

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Rev	Date	Reason for Changes
0.90	2020/03/24	• 1 st draft release
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1.0 Introduction

1.1 Brief

This document provides an overview of the requirements for the EZCast 2. EZCast 2 is a 4K wireless display receiver. It integrates powerful video decoder and dual band 2.4Ghz/5Ghz Wi-Fi module with high sensitivity antennas to provide high-performance video streaming effect.

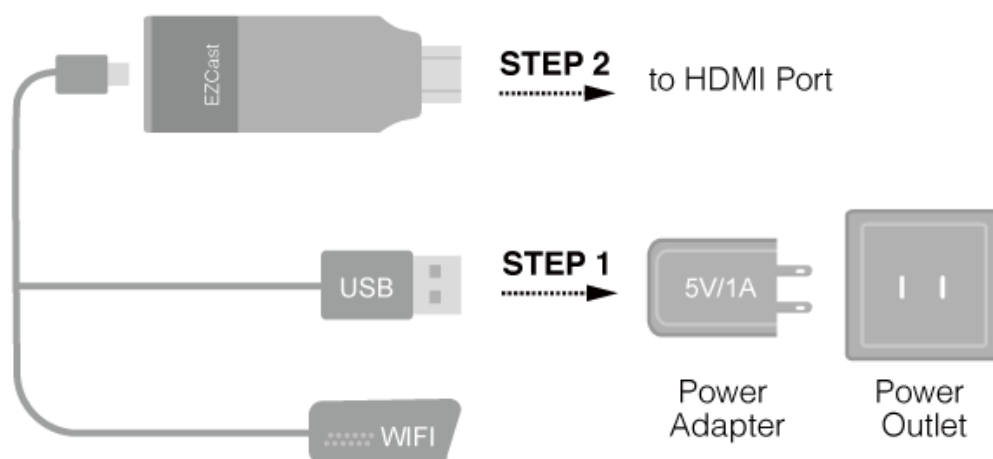
Model	EZCast 2
Main Chip	AM8271
Network	IEEE 802.11ac 2.4GHz/5GHz 1T1R
Display Output	HDMI 3840x2160/30p, 1920x1080/60p, 1280x720/60p
Function	EZCast, EZAir, DLNA, Miracast, Google Home, Voice Control
Support OS	Android/iOS/Windows/macOS /ChromeOS
Color	Black
Power	DC5V/1A

1.2 Product Feature

- **WiFi/Bluetooth:**
 - IEEE 802.11ac 2.4GHz/5GHz 1T1R
 - Bluetooth
- **Full HD Output:**
 - 3840 x 2160P@30fps video, audio output
 - 1920 x 1080P@60fps video, audio output
 - 1280 x 720P@60fps video, audio output
- **EZCast App Support**
 - Support Windows/macOS/iOS/Android
 - Extension and Mirror with audio transmission for Windows/macOS
 - Video, Music and Photo streaming and playback
 - Live camera projection
 - Access and stream data from cloud storage
 - Support EZChannel, Auto Play and Cloud Control
 - Support Internet Wallpaper
- **OTA Firmware Upgrade**
- **Operating System Support:**
 - Windows 7/8/10 and above
 - Mac 10.10 and above
 - Chrome OS
 - iOS 10.0 and above
 - Android 4.4 and above
- **Support iOS/macOS Mirroring (EZAir)**
- **Support Miracast with HDCP**
- **Support DLNA Protocol (DMR)**
- **Support Google Home Mirroring**
- **Support Youtube TV**

- **Voice Control**
 - Amazon Alexa Control
 - Google Assistant Control
 - AliGenie smart speaker (天貓精靈)
 - Mi AI speaker (小愛同學)

1.3 Installation



- EZCast 2 to power: Connect the micro USB port to power and Wi-Fi module
- EZCast 2 to TV: Connect to the HDMI port of your TV/Projector/Monitor
- Connect to network: Connect to network wirelessly

2.0 Requirements

The following sections identify the detailed requirements of the EZCast 2.

2.1 Hardware Specification

2.1.1 Main Component

	Hardware Component	Detailed Description
2.1.1.1	CPU	• AM8271
2.1.1.2	SDRAM	• 256MB DDR3
2.1.1.3	Flash	• 128MB

2.1.2 Hardware Interface

	Feature	Detailed Description
2.1.2.1	HDMI Interface	• HDMI 1.4a with HDCP 2.0
2.1.2.2	microUSB Interface	• Power input • External Wi-Fi module connection
2.1.2.3	Button	• Press 10s for reset the device to factory default • Press one time for switch Wi-Fi to 2.4G or 5G

2.1.3 LED Indicator

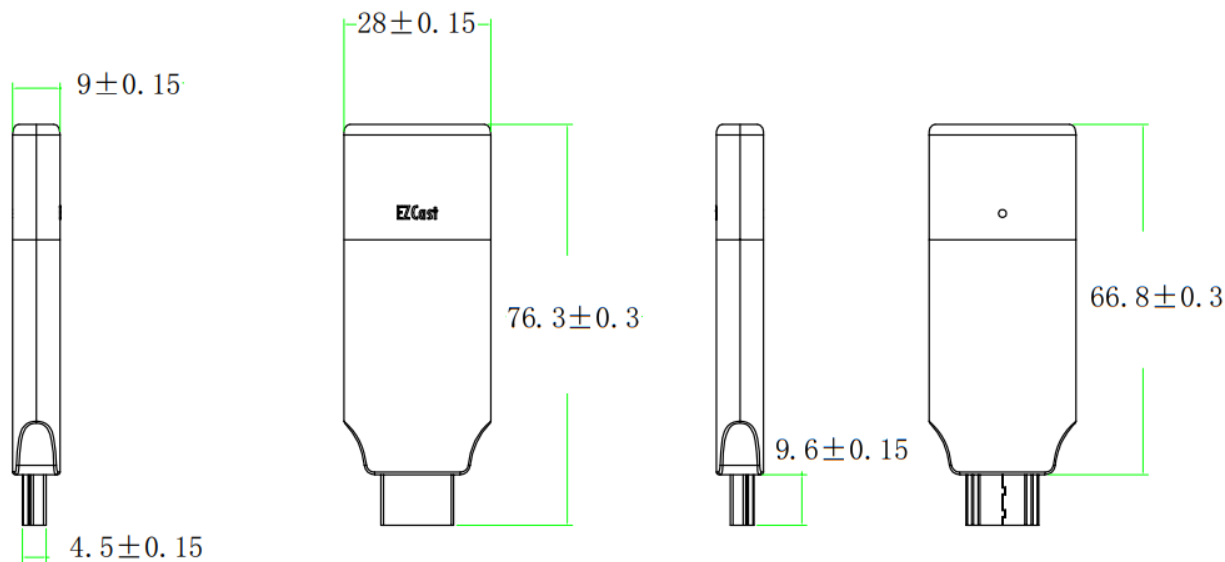
	Color	Status	Detailed Description
Power	Blue	Solid Blue	• The device is power on and operating properly

2.1.4 Electrical Characteristic

	Feature	Detailed Description
2.1.4.1	Power Input	• DC 5V/1A
2.1.4.2	Power Consumption	• 1.5W

2.2 Mechanical Requirements

2.2.1 Dimension



2.2.2 Package Specification

	Feature	Detailed Description
2.2.2.1	Length	• 76mm
2.2.2.2	Width	• 28mm
2.2.2.3	Height	• 9mm
2.2.2.4	Weight	• 16.5g

2.3 Environmental Requirements

	Feature	Detailed Description
2.3.1	Operating Temperature Conditions	• The product is capable of continuous reliable operation when operating in ambient temperature of 0 °C to +40°C.
2.3.2	Non-Operating Temperature Conditions	• Neither subassemblies is damaged nor the operational performance be degraded when restored to the operating temperature after exposing to storage temperature in the range of - 20 °C to +70 °C.
2.3.3	Operating Humidity conditions	• The product is capable of continuous reliable operation when subjected to relative humidity in the range of 10% and 90% non-condensing.
2.3.4	Non-Operating	• The product is not be damaged nor the

	Humidity Conditions	performance be degraded after exposure to relative humidity ranging from 5% to 90% non-condensing.
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2.4 Certification Requirements

	Feature	Detailed Description
2.4.1	EMC/Safety	• CE, FCC, NCC, TELEC
2.4.2	Other	• ROHS

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