



Version 2.0 03/2023

INTRODUCTION

Product manuals are intended to help customers understand the workings of the hardware devices. This product manual provides overview information of the DIRECTV Gemini Air and remote control and addresses specific functions of the devices. It is posted online at directv.com/support/userguides for customer access.

TERMINOLOGY

Term	Description
OTT	Over-the-Top, the delivery of video via the Internet directly into the DIRECTV Gemini Air allowing access to services anywhere, anytime, and on any compatible device

1. OVERVIEW

The DIRECTV Gemini Air is a game-changing, proprietary "Over-the-Top" (OTT) device that delivers video and integrated content to your TV over the Internet. It enables you to watch online videos, listen to music, use thousands of third-party apps, and play games—all on your TV. Get all the top apps and games on Google Play. The DIRECTV Gemini Air is used on its own as a

standalone device (one per TV) so you don't need any other DIRECTV devices. It comes with a voice remote, so you can talk to Google Assistant to control your TV and more using your voice.

Get all the top apps and games on Google Play.

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It comes with a voice remote, so you can talk to Google Assistant to control your TV and more using your voice.

II. HARDWARE INFORMATION

A. Specifications

Gemini Air Specifications

Size and Weight (not including feet)

Height: 15mm

Width: 48mm

Depth: 95mm

NOTE: Depth with HDMI cable is 181.2 mm

Weight: 66g

Packaging

Giftbox Height: 55mm

Width: 186mm

Depth: 223mm

Weight: 0.99lb

Environmental Requirements

Operating Temperature: 32°F to 104°F to 40°C

Storage Temperature (no damage): 32°F to 150°F (0° to 66°C)

Relative Humidity: 5 - 85% noncondensing

Remote Control Support (Built-In Capability)

Bluetooth Remote Control Interface

XMP2 Ports and Interfaces

OTT Mode - 802.11ac 2.4 GHz or 5 GHz Wi-Fi

USB Type C port for Power Input

HDMI 2.1 & 1.4 / HDCP 2.3

Power

EPS21R0- 500 External PSU

AC External PSU- 100- 240v- 50/60 HZ, 7.65W

Input:5.0V DC 1.5A

Active Power Consumption below 7.5W

Memory

4GB DDR Memory

32 bit LPDDR4 Interface

16GB eMMC

Video and Audio Formats

MPEG2 Dolby Audio

MPEG- 4 AVC Single or Dual Display up to 1080i60/1080p30 or UHD/4K HEVC/VPP Display

HDR10 SMPTE ST 2084, ST 2086 Blu- ray Standard and HLG Support Dolby Vision HDR10+

TV Compatibility

Compatible with HD and 4K TVs with HDMI 2.1 & 1.4, HDCP 2.3, 60 Hz and capable of 4K, 1080p and 3D

B. Gemini Air Hardware

1. Front View



2. Top View



3. Side View



4. Back View



5. HDMI View



C. Other Associated Hardware

Remote Control

The key features of the RC83V Remote Control are:

- RF mode eliminates the need for the remote and the paired devices to be in line of sight to each other.
- The RC83V Remote Control has a directional pad. Basic operations and functions can be made by pressing the direction, then pressing ok.
- Once paired, you can also press the Google Assistant button on the RC83V to control your TV using your voice.

FIGURE 5: RC83V-REMOTE

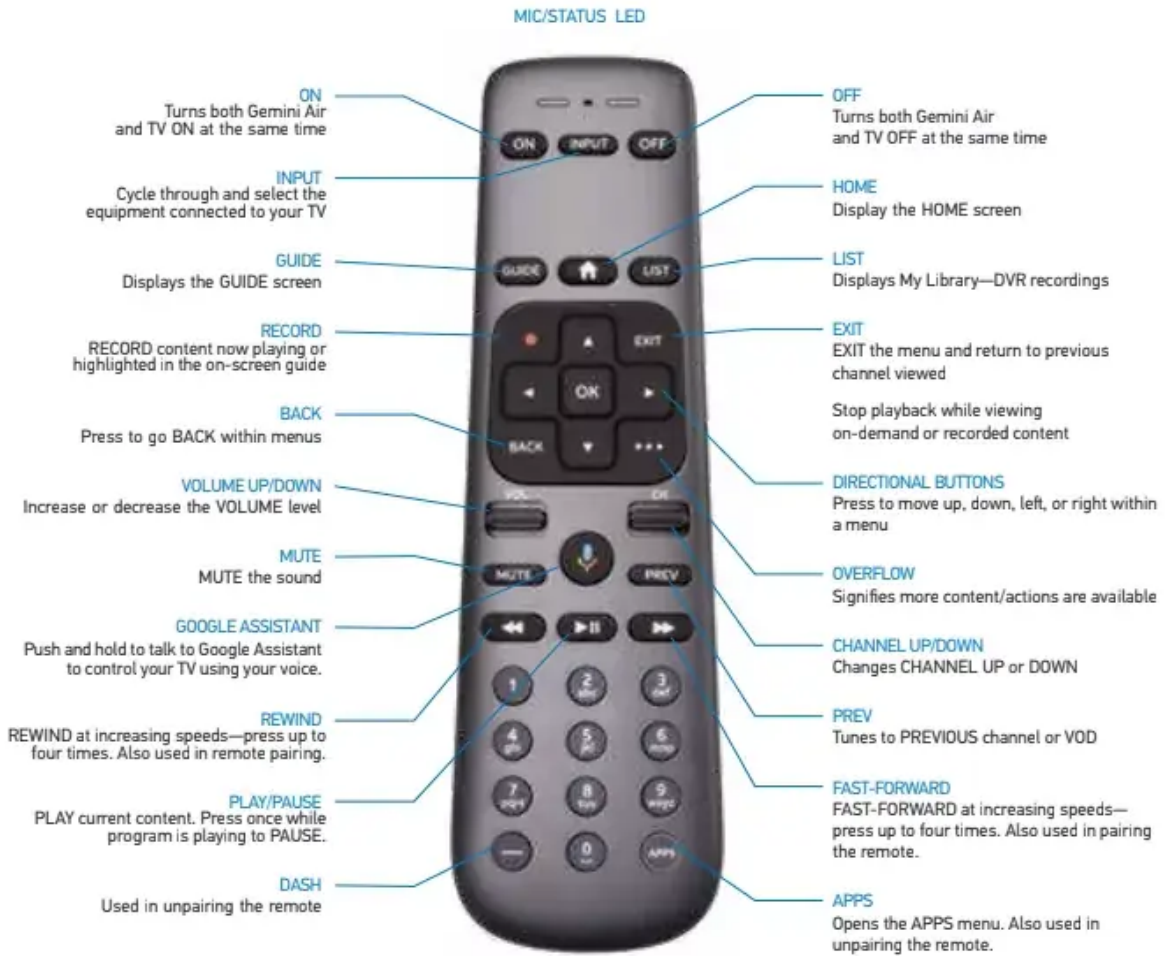


FIGURE 5: RC83V—REMOTE



III. APPENDIX

A. LED States

LED State	Trigger
Solid White	ON and Network connected (with strong WiFi signal)
Solid Yellow	ON and Network connected with weak signal (<67dBm for 2GHz, <77dBm for 5GHz)
Off	No power or NGC is in standby
Flashing Red	No AP (router), no internet or searching for network
Solid Red	Insufficient power to Gemini Air -In addition to OSD
Red and Blue transition during boot process	<ul style="list-style-type: none">• During device boot up process, it shows RED color to indicate Powering Up and doing Power verification• Then it turns Blue to indicate passing Power check and continue to boot• After system fully boots up, LED color will use White / Yellow / Flashing Red to indicate WiFi connection state

B. Federal Communications Commission Interference Statement

Please take note that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party: DIRECT, INC. 2230 E. Imperial Hwy El Segundo, CA 90245 800.531.5000

Trade Name: DIRECTV

Trade Name: DIRECTV

Federal Communications Commission (FCC): This equipment complies with Part 15 of the FCC Rules.

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.



This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by removing and applying power to the equipment, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for the compliance could void the user's authority to operate the equipment.

The user may find the following booklet, prepared by the Federal Communications Commission, helpful: "How to Identify and Resolve Radio and TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, DC. To meet FCC requirements, only peripherals (computer input/output devices, terminals, printers, etc.) certified to comply with Class B limits may be attached to this device. Operation with noncertified peripherals is likely to result in interference to radio and TV reception. To meet FCC requirements, shielded cables are required to connect the device to a personal computer, peripheral or other Class B- certified device.

2220 E. Imperial Hwy El Segundo, CA 90245 1- 800- 531- 5000

Trade Name: DIRECTV - Model Number: P21KW- 500 and RC83V

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this DIRECTV Gemini Air does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your alarm company, telephone company or a qualified installer.

DO NOT DISASSEMBLE THIS EQUIPMENT. It does not contain any user- serviceable components. We recommend the installation of an AC surge arrester in the AC outlet to which this equipment is connected. Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources.

FCC RF Radiation Exposure Statement

FCC RF Radiation Exposure Statement MPE/SAR/RF Exposure Information. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment was verified for RF exposure and found to comply with Council Recommendation 1999/519/EC and FCC OET- 65 RF exposure requirements.

WARNING: While this equipment is in operation, a separation distance of at least 20 centimeters (equal to 8 inches) must be maintained between the antenna inside the equipment and the bodies of all persons exposed to the antenna in order to meet the FCC RF exposure guidelines. Making changes to the antenna or the equipment is not permitted. Doing so may result in the equipment exceeding the FCC RF exposure guidelines. This equipment must not be co-located or operated in conjunction with any other antenna or radio transmitter.

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Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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