

SiliconDust HDFX-4K

SiliconDust HDHomeRun Flex 4K User Manual

Model: HDFX-4K

1. INTRODUCTION

The SiliconDust HDHomeRun Flex 4K (Model HDFX-4K) is a network-attached TV tuner designed to receive over-the-air (OTA) ATSC 1.0 and ATSC 3.0 (NextGen TV) broadcasts. This device allows you to watch live television on multiple devices simultaneously throughout your home network, including smartphones, tablets, computers, and compatible streaming devices. It features four tuners, with two capable of ATSC 3.0 reception, and supports optional DVR functionality when a USB hard drive is connected.



Image: The HDHomeRun Flex 4K, highlighting its four tuners and ATSC 3.0 capability.

2. WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- HDHomeRun Flex 4K (HDFX-4K) device
- Network cable (Ethernet)
- Power adapter

3. PRODUCT OVERVIEW

The HDHomeRun Flex 4K is a compact device designed for seamless integration into your home network. It features essential ports for connectivity and an indicator light for operational status.



Image: Top view of the HDHomeRun Flex 4K unit, showing its sleek, dark gray casing with the HDHomeRun logo.



Image: Rear panel of the HDHomeRun Flex 4K, showing the antenna connection, USB hard drive port, Ethernet connection, and power input.

Antenna Connection: F-type coaxial connector for connecting your over-the-air antenna.

USB Hard Drive: USB port for connecting an external USB hard drive for DVR functionality (requires paid TV guide service).

Ethernet Connection: RJ45 port for connecting the device to your home router via an Ethernet cable.

Power: Input for the included power adapter.

4. SETUP

1. **Connect Antenna:** Connect your digital TV antenna to the "Antenna connection" port on the back of the HDHomeRun Flex 4K.
2. **Connect to Network:** Use the provided Ethernet cable to connect the "Ethernet connection" port on the HDHomeRun Flex 4K to an available LAN port on your home router.
3. **Connect Power:** Plug the power adapter into the "Power" port on the device, then plug the adapter into a wall

outlet. The device will power on automatically.

4. **Install HDHomeRun App:** Download and install the official HDHomeRun app on your desired viewing device(s). The app is available for Android, FireTV, AppleTV, Roku, Sony, Xbox, iPhone, iPad, Win10/11, and Mac.
5. **Discover Device:** Launch the HDHomeRun app. It should automatically discover your HDHomeRun Flex 4K device on your home network. Follow the on-screen prompts to scan for channels.
6. **(Optional) Connect USB Hard Drive:** If you plan to use the DVR feature, connect a compatible USB hard drive to the "USB hard drive" port. Note that DVR functionality requires a separate paid TV guide subscription from SiliconDust.



Antenna Selection Guide

Selecting the right antenna for your location is the most important part of getting over-the-air broadcast TV.

NOTE: an antenna advertised as 250 miles, 500 miles, 1000 miles, 1500 miles is making a false claim. No TV antenna can work at beyond-the-horizon distances due to the curvature of the Earth blocking the TV signal.

IMPORTANT: do not buy an antenna that claims to be omnidirectional or claims to have 360 degree performance. This indicates it has poor directional gain and will under-perform other antennas.

IMPORTANT: do not buy an indoor antenna with a built-in amplifier or one that requires power to operate (this indicates a built-in amplifier). The HDHomeRun has a built-in amplifier – using an antenna that also has a built-in amplifier can make reception worse and may result in fewer channels.

Amplifiers are generally only useful with a rooftop antenna where you need to split the signal to many devices or you have significant cable lengths. A typical install with a good rooftop antenna at 45 miles split 2 ways will generally not require an amplifier.

What channels are in my area?

Use the Signal Search Map from www.rabbitears.info to estimate the distance to the TV transmission towers.

Antenna selection:

- 65+ miles: The range limit of TV signals is typically around 65 miles due to the curvature of the earth. You need height and favorable terrain to go beyond 65 miles. We recommend talking to our support team or getting professional advice from AntennaMan (paid service): www.antennamanpa.com
- 55-65 miles: Use a large outdoor antenna mounted on a mast on the roof.
- 45-55 miles: Use at least a mid-size outdoor antenna mounted on the roof, or a large outdoor antenna mounted in the attic.
- 30-45 miles: Use at least a compact outdoor antenna mounted on the roof, or a mid-sized outdoor antenna mounted in the attic.
- 0-30 miles: A well designed indoor antenna will generally work.
 - If you need VHF support look for a well designed indoor antenna with VHF support. An indoor antenna with VHF support will usually feature telescopic elements that you pull out to full length similar to an antenna on a portal radio.
 - If you don't need VHF support look for a well designed indoor antenna such as the HD Frequency Aerowave antenna.
 - Do not buy an indoor antenna with a built-in amplifier or one that requires power to operate (this indicates a built-in amplifier). The HDHomeRun has a built-in amplifier – using an antenna that also has a built-in amplifier can make reception worse and may result in fewer channels.

Do I need an antenna with VHF support?

- The channel column on the rabbitears website has a number in parenthesis, for example "(27)".
- Numbers "(13)" and below are VHF channels. If any channels that are important to you have a number "(13)" or lower you need an antenna with VHF support.
- Numbers "(14)" and above are UHF channels. If all the channels that are important to you have a number "(14)" or higher you do not need an antenna with VHF support.

Troubleshooting

- [Not receiving any channels?](http://my.hdhome.run.com) [my.hdhome.run.com]
- [Not reliably receiving all the channels you expect?](http://my.hdhome.run.com) [my.hdhome.run.com]
- [Not reliably receiving all the channels your TV does?](http://my.hdhome.run.com) [my.hdhome.run.com]

Image: An antenna selection guide, providing recommendations for antenna types based on distance from TV signals and troubleshooting tips for channel reception.

For optimal reception, consult the [RabbitEars website](http://www.rabbitears.info) to determine available channels and signal strength in your area.

5. OPERATING INSTRUCTIONS

Watching Live TV

Once the HDHomeRun app is installed and your device is discovered, you can browse and watch live over-the-air television channels. The app provides a channel guide to navigate available broadcasts.

- Launch the HDHomeRun app on your preferred device.
- Select a channel from the guide to begin watching.
- The HDHomeRun Flex 4K allows multiple devices to stream different channels simultaneously, utilizing its four tuners.



Image: The HDHomeRun logo alongside the device and a smartphone displaying live television, illustrating multi-device streaming.



Image: A family enjoying television content on various devices, illustrating the multi-room, multi-user capability of the HDHomeRun system.



Image: A user watching television, with the HDHomeRun app's interface displayed on the screen, showing various live and recorded content options.

DVR Functionality (Optional)

With a connected USB hard drive and a paid TV guide subscription, you can record live TV broadcasts for later viewing. This enables whole-home DVR capabilities.

- Ensure a compatible USB hard drive is connected to the HDHomeRun Flex 4K.
- Activate your paid TV guide subscription through the SiliconDust website or app.
- Use the HDHomeRun app's guide to schedule recordings or record live programs.

6. MAINTENANCE

The HDHomeRun Flex 4K requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Firmware Updates:** Periodically check for firmware updates through the HDHomeRun app or SiliconDust website to ensure you have the latest features and bug fixes.

7. TROUBLESHOOTING

Problem	Possible Solution
Not receiving any channels or poor signal.	• Ensure your antenna is properly connected and positioned. • Check your location's signal strength and available channels using resources like RabbitEars.info. • Rescan for channels within the HDHomeRun app. • Consider upgrading your antenna or using an amplifier if signals are weak.
ATSC 3.0 channels are not working or encrypted.	• Some broadcasters encrypt ATSC 3.0 channels (DRM). The HDHomeRun Flex 4K is not compatible with DRM-protected channels. • Verify if the ATSC 3.0 channels in your area are DRM encrypted by checking RabbitEars.info for a padlock icon.
HDHomeRun app crashing or FF/Rewind not working on Roku devices.	• This is a known issue with the HDHomeRun app on some Roku devices. • Consider using an alternative streaming device (e.g., Android TV box, Fire TV) for a more stable experience with the HDHomeRun app. • Ensure your Roku device and HDHomeRun app are updated to the latest firmware/version.

Problem	Possible Solution
Device not found by app.	• Ensure the HDHomeRun Flex 4K is powered on and the Ethernet cable is securely connected to your router. • Verify that your viewing device is on the same local network as the HDHomeRun unit. • Restart your router, the HDHomeRun device, and your viewing device.

8. SPECIFICATIONS

Feature	Detail
Model Number	HDFX-4K
Tuners	4 (2 ATSC 3.0, all 4 ATSC 1.0)
Connectivity	Ethernet (RJ45)
Compatible Devices	Android, FireTV, AppleTV, Roku, Sony, Xbox, iPhone, iPad, Win10/11, Mac
Dimensions (L x W x H)	7 x 5 x 2.2 inches (approx. 17.8 x 12.7 x 5.6 cm)
Weight	13.6 ounces (approx. 385 grams)
DVR Capability	Yes, with external USB hard drive and paid TV guide subscription

9. WARRANTY AND SUPPORT

For product support, technical assistance, or warranty information, please visit the official SiliconDust website or contact their customer support directly.

You can find more information and support resources on the[SiliconDust Store on Amazon](#).

Please retain your proof of purchase for warranty claims.

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This manual is for informational purposes only. Specifications are subject to change without notice.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question