



renkforce 2384597 TwinX Media Streaming Device Instruction Manual

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renkforce 2384597 TwinX Media Streaming Device



Intended use

The transmitter is used to wirelessly transmit the screen content (incl. audio) from the connected device to the receiver. All devices (computers, mobile devices) with a USB Type-CTM port with DisplayPort support are supported.

The transmitter is powered by the connected device via the USB Type-CTM connector.

The receiver is used to display the data received from the transmitter on the connected device (TV, monitor, projector, etc.). All devices with HMDITM connector are supported.

In addition, from any computer, Mac or mobile device with Android™ or iOS, which has Wi-Fi and meets the minimum requirements, wireless content can be transmitted. Here, for example, video, audio and image data or even web pages can be played or viewed on the device where the receiver is connected. Even a live view of the smartphone or tablet camera is possible and various cloud services can be accessed.

Operation in this case is via the free to download “EZCast” app. Please note the instructions on the manufacturer’s website: <https://www.ezcast.com/manual/ezcast/cs>

The receiver is powered via a USB plug-in power supply (not included) or via a USB socket, e.g. on your TV. The power supply unit or the USB socket must provide a current of at least 1 A at 5 V/DC.

The product is intended for indoor use only and must not be used outdoors. Contact with moisture, for example, in bathrooms, must be avoided.

For safety and approval purposes, do not rebuild and/or modify this product. Using the product for purposes other than those described above may damage the product. In addition, improper use can cause hazards such as short circuit, fire or electric shock. Read the operating instructions carefully and store them in a safe place. Only make this product available to third parties together with its operating instructions.

This product complies with statutory, national and European regulations. All company and product names contained herein are trademarks of their respective owners. All rights reserved.

HDMI™ is a registered trademark of HDMI Licensing L.L.C.

Android™ is a registered trademark of Google LLC.

Delivery content

- Receiver
- Transmitter
- Operating instructions



Up-to-date operating instructions

Download the latest operating instructions at www.conrad.com/downloads or scan the QR code shown. Follow the instructions on the website.

Description of symbols

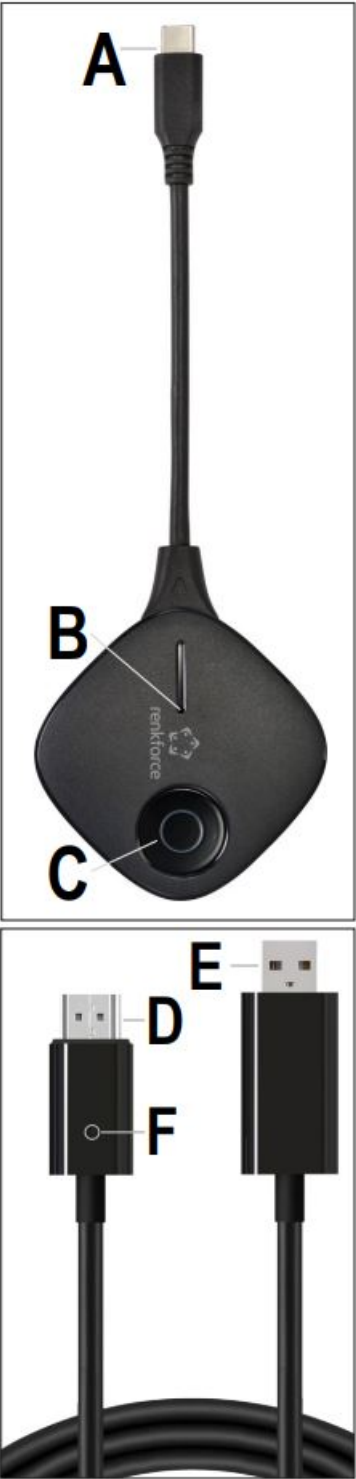
- The symbol with the lightning in the triangle is used if there is a risk to your health, e.g., due to an electric shock.
- The symbol with an exclamation mark in a triangle is used to highlight important information in these operating instructions. Always read this information carefully.
- The arrow symbol indicates special information and tips on how to use the product.

Safety information

Read the operating instructions carefully and observe in particular the safety instructions. If you do not follow the safety information and information on proper handling in these operating instructions, we will assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

- This product is not a toy. Keep it out of the reach of children and pets. An electric shock can be life threatening!
- Do not leave packaging material lying around carelessly. It may become a dangerous plaything for children.
- The product is only suitable for dry, enclosed indoor areas. It must be protected from moisture and dampness; never touch it with wet hands!
- Protect the product from extreme temperatures, direct sunlight, strong jolts, high humidity, moisture, flammable gases, vapours and solvents.
- Handle the product carefully. Jolts, impacts or a fall even from a low height may damage the product.
- If you have any questions that are not answered in the operating instructions, please contact our technical department or third-party specialist.

Product overview



a) Transmitter

- A USB Type-CTM connector with DisplayPort support
- B Status LED, white, power lights

Status LED	Description
ON	Power on
OFF	Power off

C Button incl. status LED white

Button	Description
ON	The transmitter is connected to the receiver and doing mirroring screen
Flashing	The transmitter is trying to connect to the receiver
5 sec.	Starts the pairing process
20 sec.	Resets the transmitter to factory settings

b) Receiver

D HDMITM connector

E USB Type-A 2.0 for power supply

F Button (recessed)

Button	Description
Short	Toggles between 2.4 and 5 GHz WI-FI
2 sec.	Starts the pairing process
10 sec.	Resets the receiver to factory default settings

How to connect

The receiver can be operated on a variety of devices (TV, monitor, projector, etc.). In the further course of this manual, we will always use the term “TV”. However, all other devices are always included as well.

a) Transmitter

- Connect the transmitter's USB Type-CTM connector (A) to an available USB Type-CTM port on the device (laptop, Mac, tablet, smartphone, etc.) from which you want to mirror the screen content to your TV.
- Wait a few seconds for the launch to complete. If the transmitter is not yet connected to the receiver, the status LED (C) will flashing, after connection and change to light up solid.

Please note! It is mandatory that the USB Type-CTM port on your device supports image output via DisplayPort, otherwise mirroring via the transmitter will not work.

b) Receiver

- Plug the HDMITM connector of the receiver (D) into a free HDMITM port of your TV to which you want to mirror.
- Plug the USB connector (E) into a USB power adapter (not included) or, for example, into a free USB port on your TV to which you want to mirror.

Please note! The USB port to which you connect the receiver for power supply must provide sufficient power for the receiver. Observe the information in the “Technical data” section.

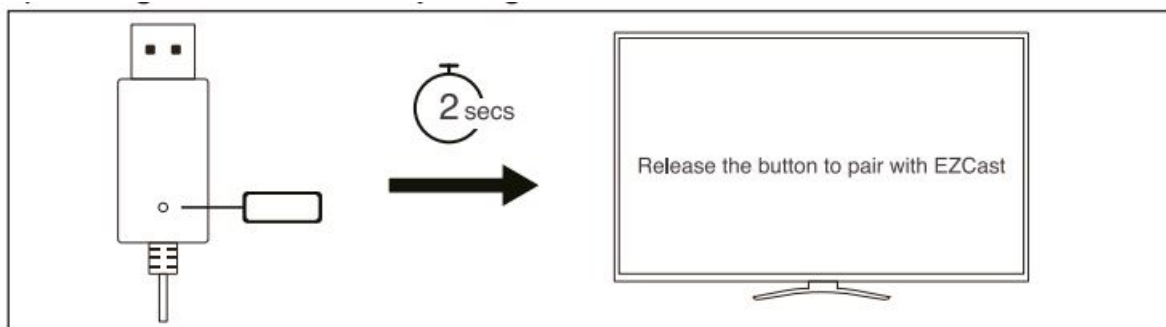
- Turn on your TV to which the receiver is connected and change the input source to the HDMITM port you are using.

- If you are using a USB plug-in power adapter, plug this into a power outlet.
- Wait briefly until the device has started up. When the screen background is blue and a QR code is displayed approximately in the centre, the receiver is ready.

Pairing the transmitter with the receiver

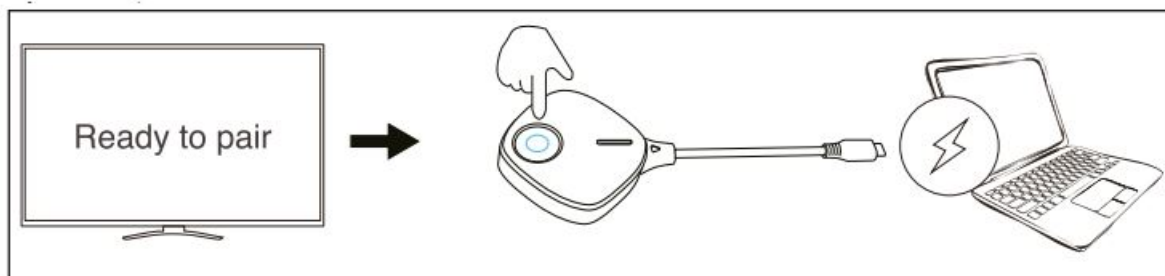
The transmitter is usually paired with the receiver at the factory. If you still need to pair again or if you want to use an additional transmitter, we will explain the pairing process to you below.

a) Putting the receiver into pairing mode



- First press and hold the recessed button on the receiver (F) with a pointed object (e.g. paper clip) for about 2 seconds.
- The screen will indicate when the receiver is in pairing mode. Then release the button.
 - The transmitter can be paired and used with any EZCast/Renkcaster receiver supporting wireless display.

b) Pairing the transmitter with the receiver



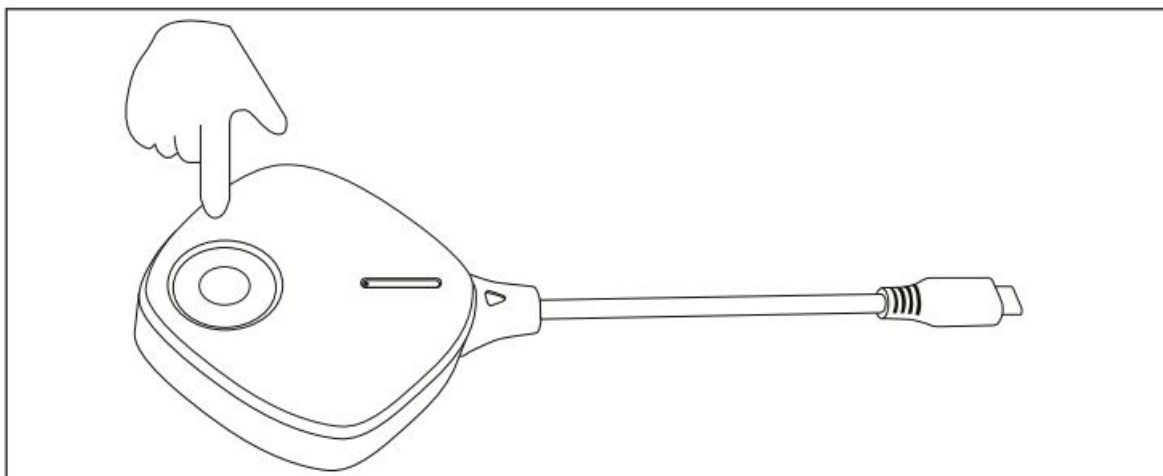
- When the receiver is in pairing mode, press and hold the button on the transmitter (C) for 5 seconds.
 - When the status LED (C) flashes rapidly, the pairing process has started.
 - When the status LED (C) lights off 1 – 2 seconds, the status LED (C) will flash again then lights on solid, the pairing process is complete.
 - The top right of the screen displays the current connections between your device (being mirrored from), the receiver, and the Internet.
 - After pairing, the "X" disappears upon first connection and a blue icon is displayed.
- Up to 8 transmitters can be paired with the receiver at the same time. However, only one can be used for mirroring at a time.

Simple mirroring with transmitter and receiver

Requirements

- The transmitter is connected to a device that supports DisplayPort via USB Type-CTM.
- The receiver is connected, for example, to a TV.
- Transmitter and receiver are connected to each other. The status LED (C) on the transmitter lights up continuously.

Mirror screen content



- To stop and restart mirroring, simply press the button (C) on the transmitter.

Resetting to factory default

The device can only be reset to factory defaults if it is connected and in operation. Proceed as follows:

a) Transmitter

- Press and hold the button (C) on the transmitter for 20 seconds. During this time, the status LED (C) will flash slowly.
- Once the 20 seconds are reached and the status LED (C) is off, release the button.
- The product will restart and the factory settings will be restored. This process takes a few seconds. When the status LED (C) flashes slowly, the process is complete. Then can follow the pairing process again to do pairing.

b) Receiver

- Press and hold the recessed button (F) on the receiver with a pointed object for about 10 seconds.
- When “Reset to Default” is displayed, release the button.
- The product will restart and the factory settings will be restored. This process takes a few seconds. When your TV displays the blue screen again, the process is complete.

Care and cleaning

- Disconnect the product from the power supply before cleaning.
- Use a dry, lint-free cloth to clean the product.
- Never use aggressive detergents, rubbing alcohol or other chemical solutions, as these may damage the casing or cause the product to malfunction.

Declaration of Conformity (DOC)

Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau hereby declares that this product conforms to the 2014/53/EU directive.

- Click on the following link to read the full text of the EU declaration of conformity:

www.conrad.com/downloads

Enter the product item number in the search box. You can then download the EU declaration of conformity in the available languages.

Disposal

This symbol must appear on any electrical and electronic equipment placed on the EU market. This symbol indicates that this device should not be disposed of as unsorted municipal waste at the end of its service life. Owners of WEEE shall dispose of it separately from unsorted municipal waste. Spent batteries and accumulators, which are not enclosed by the WEEE, as well as lamps that can be removed from the WEEE in a non-destructive manner, must be removed by end users from the WEEE in a non-destructive manner before it is handed over to a collection point.

Distributors of electrical and electronic equipment are legally obliged to provide free take-back of waste. Conrad provides the following return options free of charge (more details on our website):

- in our Conrad offices
- at the Conrad collection points
- at the collection points of public waste management authorities or the collection points set up by manufacturers or distributors within the meaning of the ElektroG

End users are responsible for deleting personal data from the WEEE to be disposed of.

It should be noted that different obligations about the return or recycling of WEEE may apply in countries outside of Germany.

Technical data

a) Transmitter

- **Operating voltage**..... 5 V/DC
- **Power consumption**..... max 1 A
- **Connections**..... 1x USB Type-CTM
- **Wi-Fi**..... IEEE802.11b/g/n/ac; 2.4 GHz; 5 GHz, 1T1R
- **Frequency range/**
- **transmission power**..... 2.412 – 2.485 GHz, ≤ 17 dBm; 5.150 – 5.250 GHz, 5.725 – 5.825 GHz, ≤ 15 dBm
- **Resolution**..... 1920 x 1080 pixels; max 60 FPS
- **Functions**..... Screen mirroring/expansion
- **Memory**..... 128 MB RAM; 128 MB flash memory
- **Supported operating systems**..... Windows® 7, Windows® 8.1, Windows® 10 (32- and 64-bit); Android™ 4.4 or higher; Apple iOS 9.3.5 or higher; MacOS 10.10 or higher; ChromeOS
- **Dimensions (W x H x L)**..... approx. 69 x 20 x 210 mm (incl. cable)


- **Weight**..... approx. 55 g
- **Operating conditions**..... 0 to +35 °C, 10 to 90 % RH (not condensing)
- **Storage conditions**..... -20 to +70 °C, 5 to 90 % RH (not condensing)

b) Receiver

- **Operating voltage**.....5 V/DC
- **Power consumption**.....max 1 A
- **Connections**..... 1x USB Type-A 2.0 (power supply); 1x HDMI™ (HDMI 1.4a, HDCP 2.0)
- **Wi-Fi**.....IEEE802.11b/g/n/ac; 2.4 GHz; 5 GHz, 1T1R
- **Frequency range/**
- **transmission power**..... 2.412 – 2.485 GHz, ≤ 17 dBm; 5.150 – 5.250 GHz, 5.725 – 5.825 GHz, ≤ 15 dBm
- **Resolution**.....1920 x 1080 pixels; max 60 FPS
- **Supported transmitters**.....max 8
- **Functions**..... EZCast, EZAir, DLNA, Miracast, Google Home, Voice control
- **Memory**.....128 MB RAM; 16 MB flash memory
- **Supported operating systems**..... Windows® 7, Windows® 8.1, Windows® 10 (32- and 64-bit); Android™ 4.4 or higher; Apple iOS 9.3.5 or higher; MacOS 10.10 or higher; ChromeOS
- **Dimensions (W x H x L)**.....approx. 22 x 9 x 700 mm
- **Weight**.....approx 21 g
- **Operating conditions**.....0 to +40 °C, 10 to 90 % RH (not condensing)
- **Storage conditions**.....-20 to +70 °C, 5 to 90 % RH (not condensing)

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Documents / Resources

	<p>renkforce 2384597 TwinX Media Streaming Device [pdf] Instruction Manual 2384597 TwinX Media Streaming Device, 2384597, TwinX Media Streaming Device, Media Streaming Device, Streaming Device, Device</p>
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References

- [Document](#)
- [Conrad Electronic » Your Sourcing Platform](#)
- [Document](#)

-  [EZCast app - User manual](#)

Manuals+.