



# SpeaKa 2342739 4K Wireless Presentation Transmitter and Receiver with Quad Multi Viewer Instruction Manual

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# SPEaKa

**SpeaKa 2342739 4K Wireless Presentation Transmitter and Receiver with Quad Multi Viewer**



## Introduction

Dear customer,

Thank you for purchasing this product.

This product complies with statutory, national and European regulations.

To ensure that the product remains in this state and to guarantee safe operation, always follow the instructions in this manual.

These operating instructions are part of this product. They contain important information on setting up and using the product. Do not give this product to a third party without the operating instructions. Therefore, retain these operating instructions for reference!

If there are any technical questions, please contact:

International: [www.conrad.com/contact](http://www.conrad.com/contact)

United Kingdom: [www.conrad-electronic.co.uk/contact](http://www.conrad-electronic.co.uk/contact)

## Explanation 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 the exclamation mark in the triangle is used to indicate important information in these operating instructions. Always read this information carefully.



The arrow symbol indicates special information and advice on operation.



The product is only suitable for use in dry indoor areas, it must not get damp or wet.



The product is constructed in protection class II.

## Intended use

This product is intended for indoor use only. Do not use it outdoors. Contact with moisture (e.g. in a bathroom) must be avoided under all circumstances.

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 a 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.

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

Android™ is a registered trademark of Google LLC.

## Delivery content

- '4K60HZ Quad Multi-Viewer' base station
- Wireless presentation system (TX transmitter) with HDMI and USB connection
- USB charger min. 10 W
- USB cable (USB-1.0-/2.0 Type A to USB USB-2.0 Micro B male)
- HDMI cable (male-male)
- Operating instructions

## Up-to-date operating instructions

Download the latest operating instructions via the link [www.conrad.com/downloads](http://www.conrad.com/downloads) or scan the QR code. Follow the instructions on the website.

## Features and functions

- 'True Plug & Play' Simply plug in the device via HDMI and USB and share content at the touch of a button. Multi-sharing compatible.
- 'No software': No additional software needs to be installed and managed on your computer. HDMI is natively supported by the operating system. There is no interruption in the workflow and it is natively compatible with any PC or Mac with HDMI.
- Complete media server with playback options for image, sound and videos from storage media or from the internal memory
- Integrated white board for quick team ideas
- Direct screen and sound transmission from mobile devices in high resolution.
- Can be extended by further transmitters

## Safety information

Please read the operating instructions carefully and pay particular attention to the safety instructions. We do not assume liability for any injuries/material damages resulting from failure to observe the safety instructions and the information in these operating instructions regarding the proper use of the product. Furthermore, in such cases, the warranty/guarantee will be null and void.

### a) AC adapter

- The design of the plug-in power adapter complies with IEC Protection Class II (double insulated electrical

appliances). As for the voltage source for the power adapter, only a proper power socket connected to the public grid may be used.

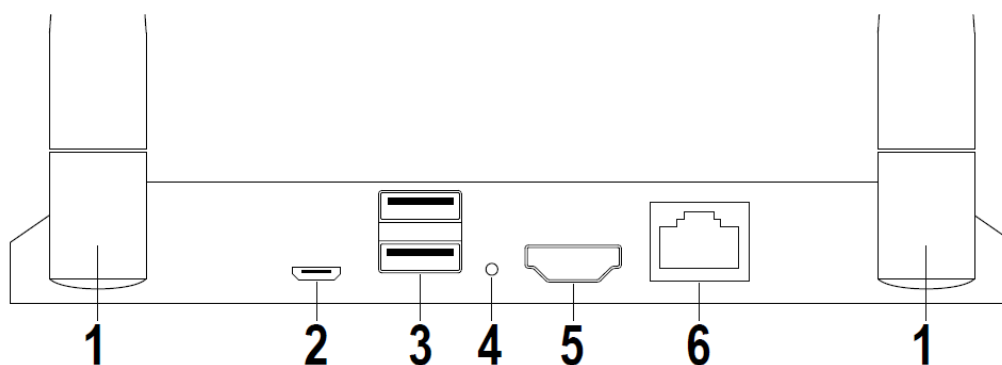
- Never touch a power adapter that shows signs of damage, as this could cause a fatal electric shock! Switch off the mains voltage to the mains socket to which the power adapter is connected (e.g., switch off at the corresponding circuit breaker or remove the safety fuse and then switch off the corresponding RCD). Only then unplug the power adapter from the mains socket and take the product to a specialised workshop.
  - Check the product for damage before each use!
  - DO NOT connect the product to the mains supply, if you detect any damage! Danger to life!
  - The product is only suitable for dry, enclosed indoor areas. The product may not become damp or wet; never touch it with wet hands!
- Danger of electric shock !

## b) General information

- Do not expose the product to extreme temperatures, direct sunlight, strong vibrations, high humidity, moisture, combustible gases, vapours and solvents.
- The product is not a toy. Keep out of the reach of children and pets.
- Do not leave packaging material unattended. It may become a dangerous plaything for children.
- Handle the product with care; impacts, blows or a fall even from a low height will damage it.
- If you have any questions that are not answered in these operating instructions, please contact our technical service or another specialist..

## Controls

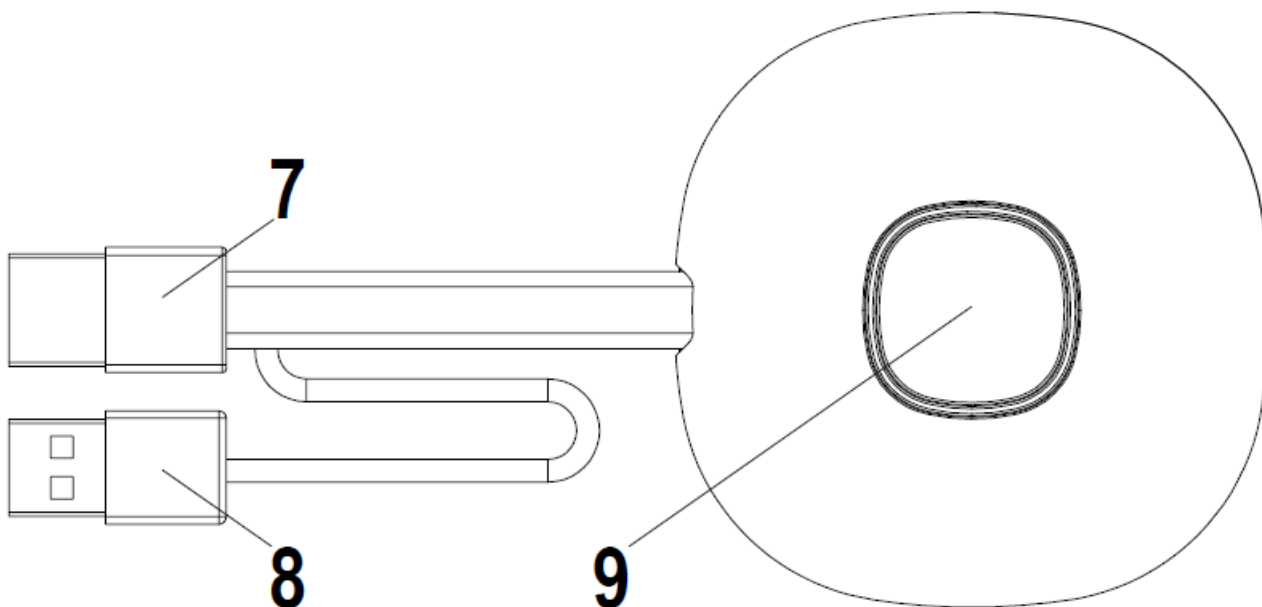
### a) Base station/receiver



1. Antenna
2. USB power supply
3. 2x USB A for input devices or storage media
4. Reset button
5. HDMI Output
6. Network connection

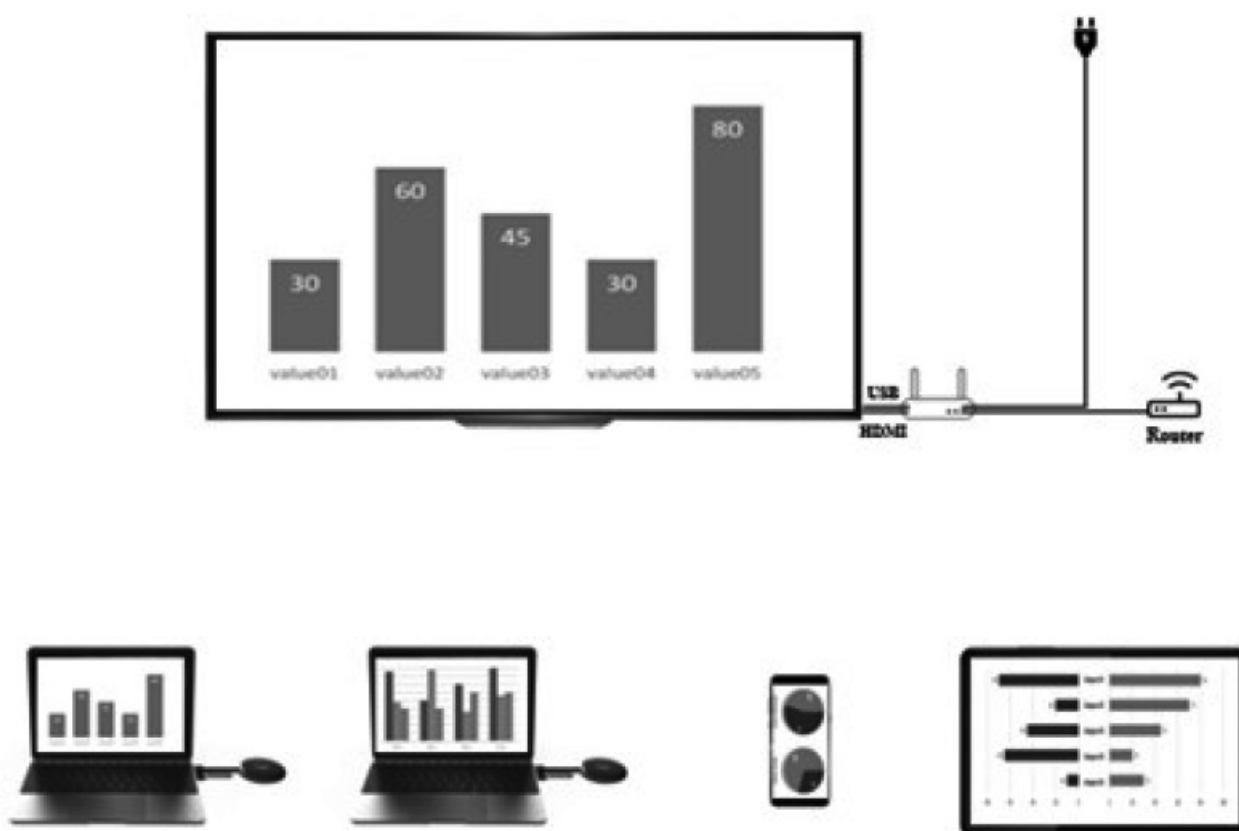
### b) Transmitter

7. HDMI Input
8. USB power supply
9. Button – Activate/deactivate transmission; Status LED



## Operation

### a) Connection and setup



- Place the receiver on a level surface. When selecting the location, pay attention to the distance to other networks and to transmission systems.
- Connect a projector or TV to the receiver via HDMI cable (included in the delivery). Insert the USB cable into the receiver and the charger and supply it with power.
- The supplied chargers may differ depending on the local socket type and power supply. After a short time, a blue LED lights up on the front of the base station. The device is ready for use.

- **Attention:** If your projector or TV has a free USB port that is suitable for supplying the base station. Check the permanent power output of the port.
- Switch the projector or TV on. The welcome screen appears.
- Align the base station antennas in roughly the same way. Both antennas should be in the same direction and vertically aligned. Change the angle and inclination of the antennas in case of poor signal transmission. The antennas should not be placed directly next to any metal parts.



Set the transmitter with the control button up-wards next to your computer. The button should always be within range to start or stop the transmission.

Connect the transmitter to the HDMI output of your computer and plug the USB connector into a nearby USB port. Attention: Be careful not to unnecessarily kink or pull on the cable. Improper handling can cause damage.

If your computer or laptop does not have any of the required outputs or the distances between USB and HDMI output are too large, extensions or adapters may be used. In this case, consult a specialist before using the product to avoid any damage.

The edge of the control button lights up red immediately after the USB connector has been inserted. The device initialises and establishes a wireless connection to the base station. If the HDMI connection is connected correctly, the colour changes to purple or blue (flashing).

## **b) Computer settings and transmission**

If the transmitter unit connected to the computer flashes blue immediately after connection, you can start transmission at the push of a button.

However, if the coloured ring is still purple, change the display settings in the system settings of your computer or Mac.

In Windows display settings, change the 'Multiple Screens' setting to 'Duplicate these displays' or 'Extend these displays' to transfer your screen to the HDMI output. In the Align menu item, you can rotate the transferred screen content for the screen extension. In some cases, TVs or projectors are not set correctly or mounted in a different orientation. Ensure that the resolution recommended for the output device is selected. This is displayed in the Windows dropdown menu.

If your transmission on the screen is too small, do not change the resolution. Increase the scaling step by step until the content is clearly visible.

Under Mac: Settings – Monitors you can adjust transmission, layout and rotation similar to the Windows settings. In the case of different operating systems, the settings described here may have different names or the menu items may be called up differently.

Screen setting:

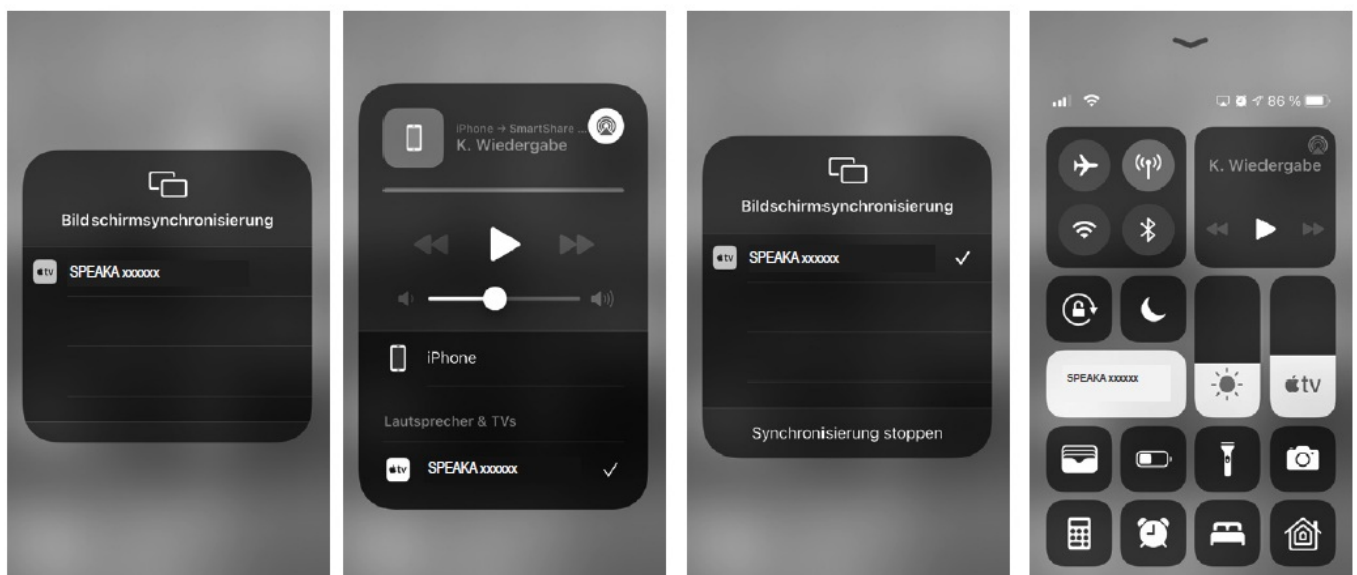
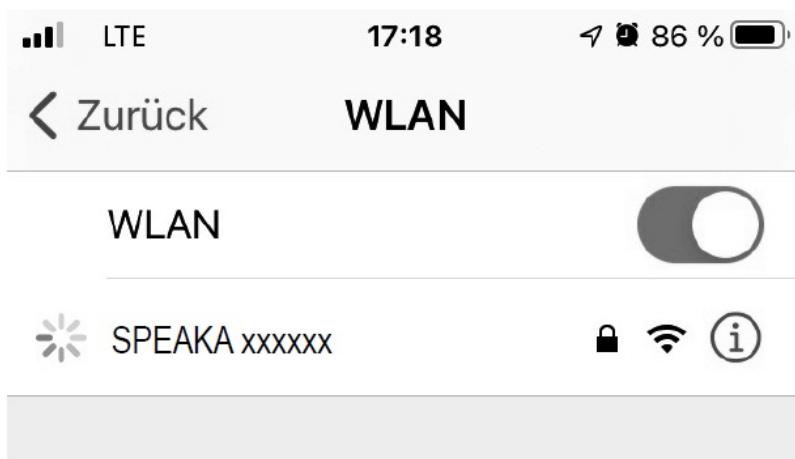
Depending on the desired usage, duplicating or extending the screen may be more suitable. For example, in the case of presentations where you see additional information on your screen, your audience should only see the current presentation slides without additions. However, if you want to show your exact screen content in order to work with your audience, extension mode may be better suited.

### c) Transmission from Apple iOS devices

To transfer the screen of your Apple iPhone or iPad, connect to the receiver's WiFi or ensure that both devices are on the same network.

To share content, swipe up from the bottom of the screen or from one of the top corners to access quick settings. Tap the Air Play icon and select the base station (SmartShare). The content of your screen as well as audio are transmitted live.

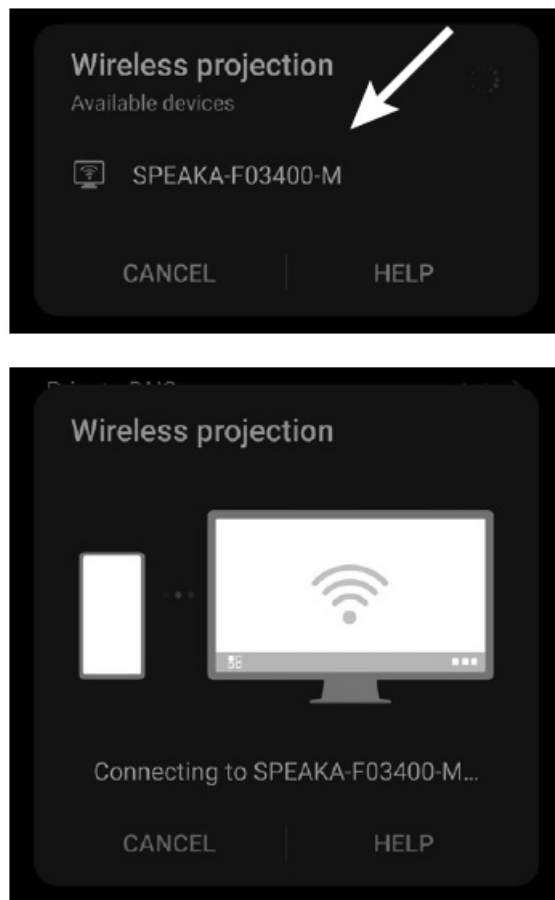
If this menu item changes due to iOS updates, please use the updated instructions for this product.



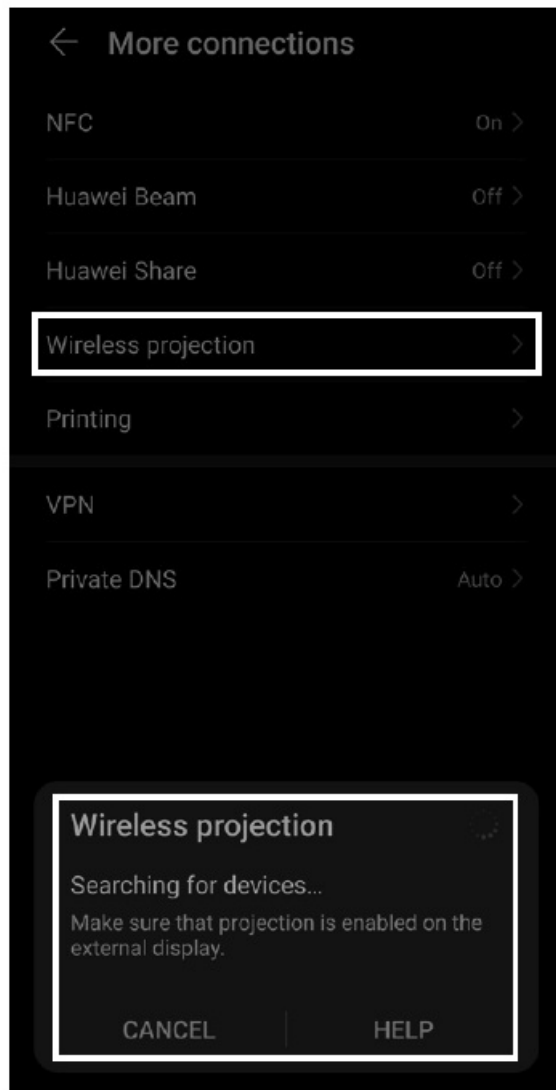
### d) Transmission from Android™ devices

In order to transfer the screen content of your Android™ device, it does not have to be connected to the recipient's WLAN. It is sufficient if the WLAN of your Android™ device is switched on.

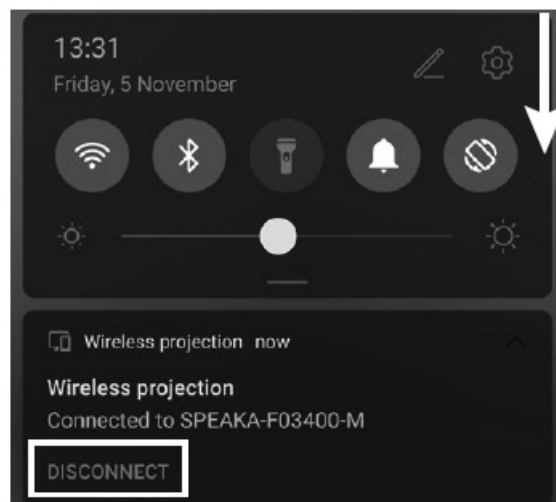
The screen content is transferred using the Miracast™ function of your smartphone. However, the function is not always the same. The name of the function on your smartphone depends on the manufacturer of the device. Possible names include: Wireless projection; WiFi display; Wi-Fi display; Wireless display; All share cast; All share display



- To activate the function, open the settings on your smartphone. The transfer function can usually be found in the device connections, additional connections or network settings.
- Tap on the transmission function, in our example the „Wireless projection“. Your smartphone will start searching for supported devices. See picture on the far right.
- Once the device is found, just tap on it.



- The connection is then established. This can take a few seconds.
- When the connection is established, you should also see the screen content of your smartphone on the display that is connected to the receiver.
- To disconnect, swipe down from the top of your smartphone to see the notifications.
- There, tap the button in the notification of the wireless projection to disconnect the connection (see square in the image on the right).

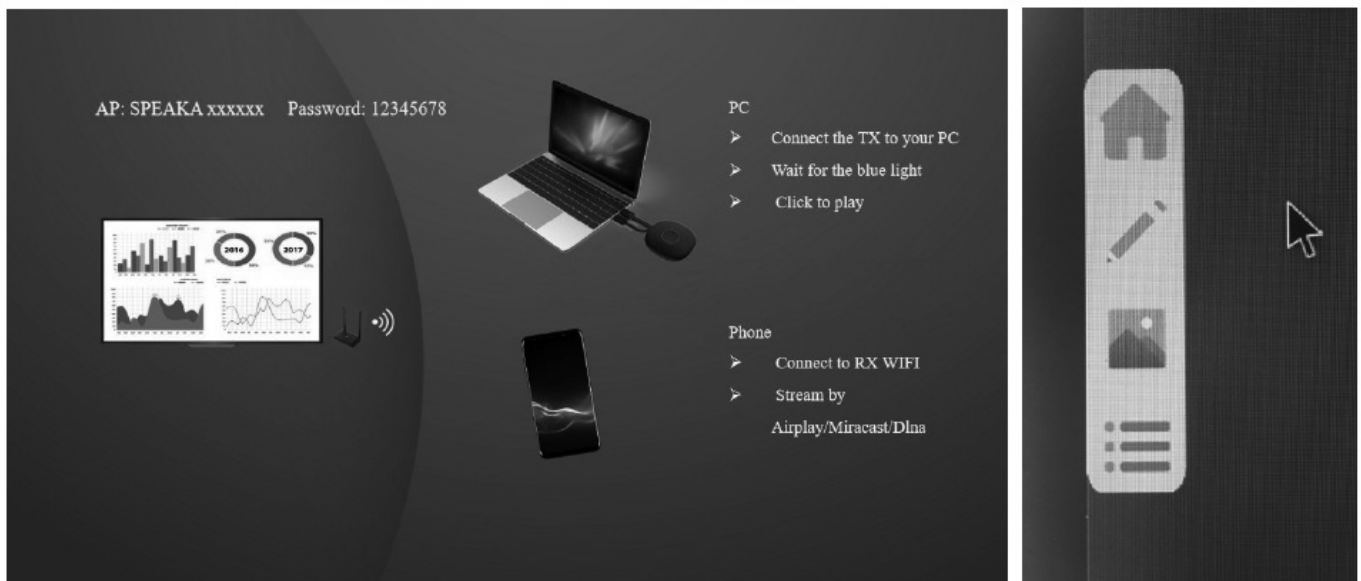


#### e) Base stations usage and settings

The SmartShare base station is a complete media server with integrated WIFI modem. To adjust settings, connect

a mouse to one of the USB ports and switch the connected projector or TV on.

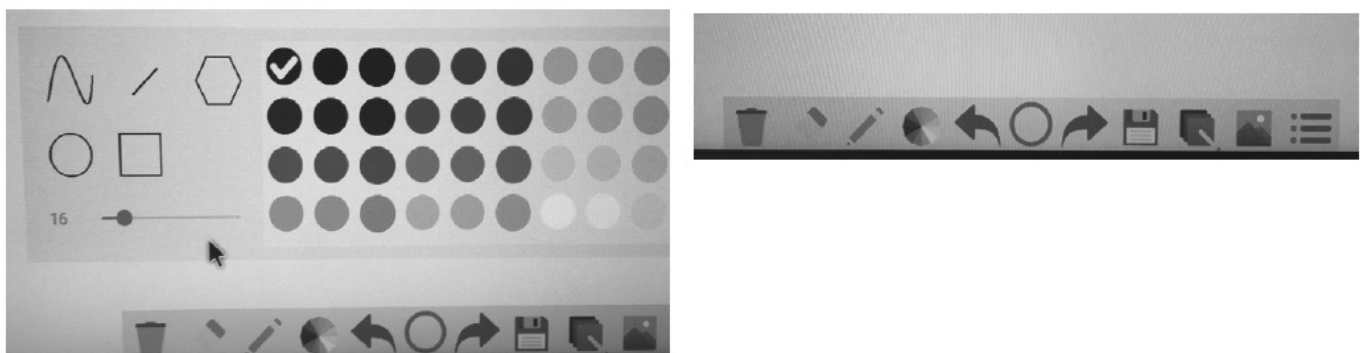
The welcome page displays a brief description of how to connect devices to the base station. In addition, you can see the stored WiFi password for connecting mobile devices.



Grey arrows appear on the left and right of the screen. If you move the mouse over these arrows, a submenu opens: Home – Whiteboard – App Overview – Media Server

You can return to the start screen with the Home button.

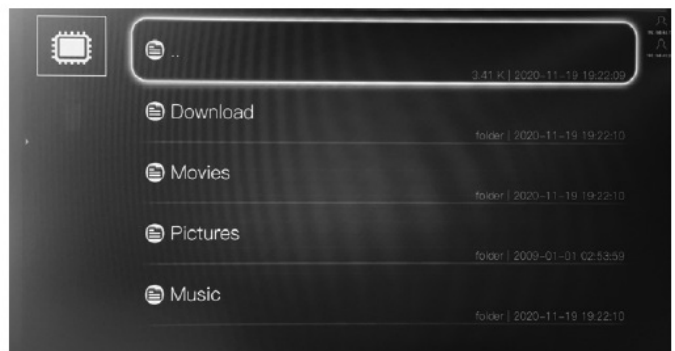
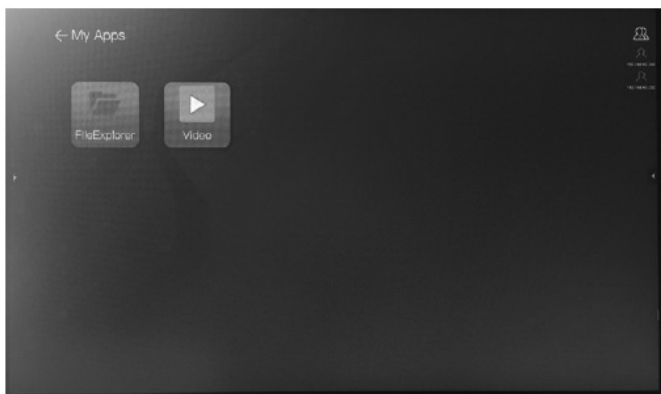
**Whiteboard:** A white area opens that can be redesigned in real time. To do this, you have the tools Delete, Etch, Pen, Colour Selection, Back, Minimise Menu, Repeat, Save, Change Whiteboard, Saved Media and Media Menu. The pen offers a simple freehand drawing method with adjustable colours and line thicknesses. Alternatively, you can switch to free forms and straight lines. You can save your ideas and work on them later, if necessary.



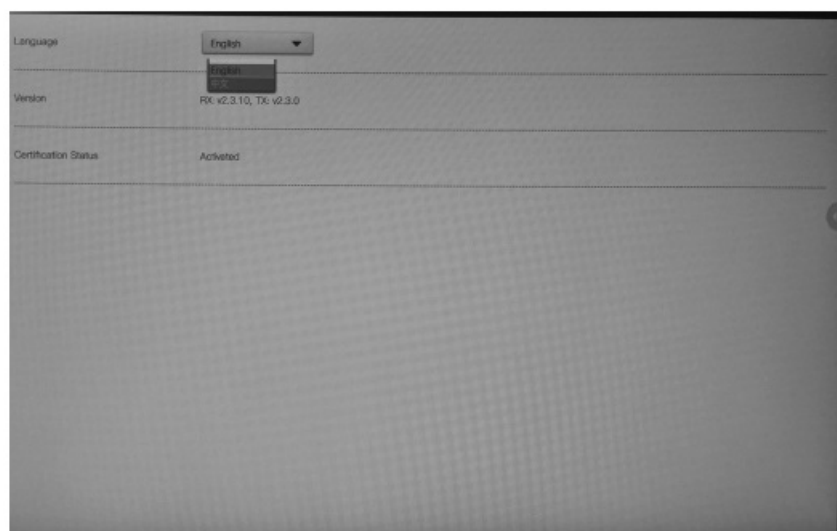
If you don't want to connect a keyboard, you can display a key-board by double-clicking on any text input menu. File names can be changed easily by clicking on the respective letters.



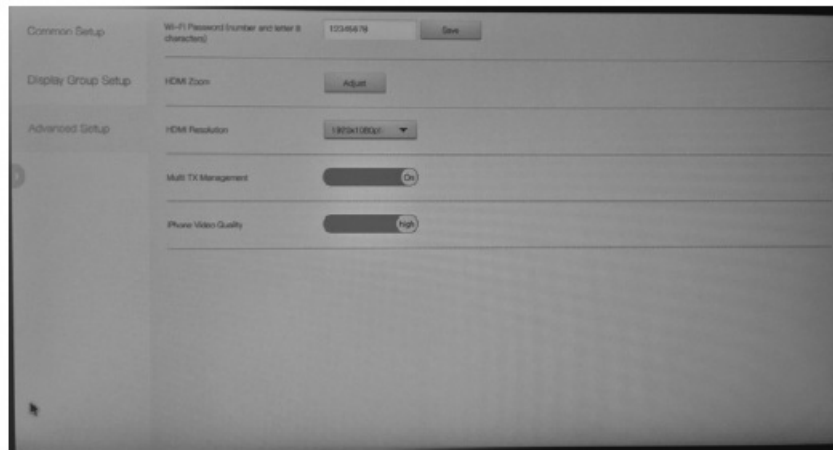
The file explorer can be used to access connected or saved media, e.g. from a USB stick. No additional computer is required to use the system.



The main menu also takes you directly to the overview of available files.  
The gear icon opens the base station settings. These are in English or Chinese. Common Setup:

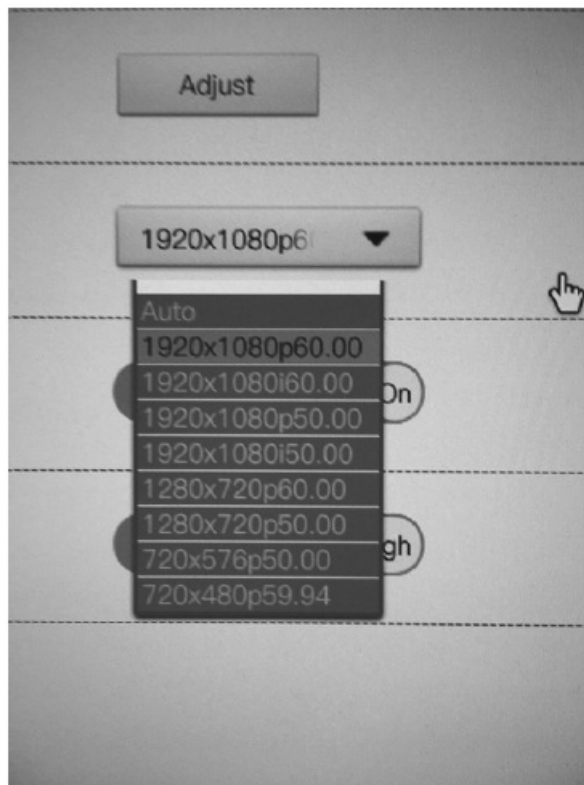


- Language: Switches between the menu language English or Chinese
- Version: Displays the software version of transmitters and receivers.
- Device activation status



## Display groups:

- Activates or deactivates the display groups.
- Advanced Setup:
  - WiFi Password: Here, you can change the WiFi password for dial-in with terminal devices.
  - HDMI zoom: Adjusts the zoom of the input signal.  
This function may be required depending on the connected projector.
  - HDMI resolution of the output signal. Adjust this to the maximum resolution of your connected projector.
  - Multi TX Management: Activate this to use several picture transmission systems with one base station.
  - Mobile phone transmission quality



**Attention:** The base station does not have a screensaver or automatic standby mode. Switch the device and any connected devices off as soon as you do not need them.

Future software updates to the base station may change the functionality, design or menu navigation. If this is the case, use an updated manual.

## Care and cleaning

Never use aggressive detergents, rubbing alcohol or other chemical solutions, as these could damage the casing or even impair the functioning of the product. The product is neither dust-proof nor splash-proof.

- Disconnect the product from the power supply before cleaning.
- Use a dry, lint-free cloth to clean the product.
- Keep the product in a protected place and observe the respective connection cables.
- If the base station has a fault, press and hold the reset button for several seconds using a thin wire, e.g. a straightened paper clip.

## 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](http://www.conrad.com/downloads)  
Select a language by clicking on a flag symbol and enter the product order number in the search box. You can then download the EU declaration of conformity in PDF format.

## Disposal

Electronic devices are recyclable waste and must not be placed in household waste.  
At the end of its service life, dispose of the product according to the relevant statutory regulations.

## Specifications

### a) General Information

Video .....HDMI 2.0 (HDCP 2.2)  
Resolution .....3840 x 2160 pixels, 4K/60 Hz  
Maximum simultaneous connections .....30 transmitters; max. 128 users at the same time; max. 4 users per screen  
WiFi .....IEEE802.11n/ac, 2T2R MIMO, 2.4 GHz, 5 GHz, 5.8 GHz  
Frequency ranges/transmission power .....2.400 – 2.497 GHz, ≤ 14 dBm;  
5.150 – 5.250 GHz, 5.250 – 5.350 GHz, 5.470 – 5.725 GHz, 5.725 – 5.850 GHz, ≤ 13 dBm  
Encryption protocols .....WPA2/WPA-PSK/WPA2-PSK  
Range .....up to 50 m (free field; between transmitter and receiver)  
Supported platforms .....Windows® 7 (32 & 64 Bit) or higher; MacOS; Linux;  
Android™ 5.0 or higher; Apple iOS 14 or higher  
Operating conditions .....0 to +40°C, 10 – 90% rel. humidity (noncondensing)  
Storage conditions .....-40 to +70°C, 5 – 90% rel. humidity (noncondensing)

### b) Transmitter

Operating voltage .....5 V/DC, max. 0,5 A  
Power consumption .....max. 2.5 W  
Ports .....1x HDMI input; 1x USB (power supply)  
Dimensions (W x H x D) .....approx. 75 x 13 x 75 mm  
Dimensions (W x H x D) .....approx. 152 x 13 x 75 mm (with HDMI / USB cable)  
Weight: .....approx. 85 g

### c) Receiver/base station

Operating voltage .....	5 V/DC, max. 2 A
Power consumption .....	max. 10 W
Ports .....	1x micro USB (power supply); 2x USB type A; 1x HDMI output; 1x RJ45 LAN
Dimensions (W x H x D) .....	approx. 155 x 22 x 106 mm (without antennas)
Dimensions (W x H x D) .....	approx. 155 x 177 x 106 mm (with antennas)
Weight .....	approx. 310 g

**d) AC adapter**

Operating voltage .....100 – 240 V/AC, 50/60 Hz, max. 0.4 A  
Output .....5 V/DC, 2 A, 10 W  
Output jack .....USB

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## Documents / Resources

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## References

- [!\[\]\(9c6ef76bd4f9c1d45db70eec36c97f9f\_img.jpg\) France.fr : Actualités, destinations et infos du tourisme en France](#)
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- [!\[\]\(6f24c6e954db84c2ed03570d204292a0\_img.jpg\) Conrad Electronic – Alle Teile des Erfolgs](#)
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