QUICK START GUIDE
DC-LINK-ULR1 / LR2 X.LINK.L1

Getting Ready

1. Connect the antennas to the SMA ports on your devices.
2. Power your devices. Find details about proper powering options in the product manual provided on our website.
3. Connect an SDI or HDMI signal to the transmitter's input (SDI will be prioritized)
4. Connect the receiver to the monitoring-recording or distribution device of you joice.

Establishing a Connection

Use the power switch to turn on your transmitter and receiver(s). Make sure that your devices are set to the same frequency channel. (see "Choosing a Channel")

It takes between 10-30 seconds for the transmitter to connect to the receiver. During this brief period, the receiver's video output displays "Waiting for connection".

Once the transmitter recognizes a video input, the video format will be displayed on the OLED display.

DC-SCAN & Antenna Check

DC-SCAN is a built in frequency scanner. To enter DC-SCAN, connect a monitor to the HDMI output of your receiver, then press and hold the **–** button on the **receiver** for 3 seconds. The frequency scanner is only available on the HDMI output. To leave DC-SCAN press and hold the **–** button again. Entering DC-SCAN from channel 0 will also show the antenna status: green = OK, red = not OK

Country-specific Regulations

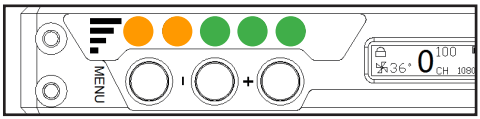
Observe country specific rules that prohibit the use of wireless transmission under certain conditions!

Antenna Positioning

Position the antennas on transmitter and receiver as shown on the back of your DC-LINK device. This ensures the best possible RF performance. Install the transmitter and the receiver as high as possible (at least 2 meters above ground level) to maintain a good line-of-sight. During operation, try to keep the transmitter and the receiver at similar heights.
Avoid obstacles such as walls, trees, water and steel structures between transmitter and receiver.
The connection is at its strongest when the flat surfaces of the transmitter and receiver face each other.

RSSI Display

The RSSI (Wireless Received Signal Strength Indicator) display shows the strength of the signal, allowing the operator to ensure the system is working reliably.



Status	Description
0-1 LEDs	Radio signal strength is weak and artefacts are visible in the video signal
2-3 LEDs	Radio signal strength is normal and video quality is good
4-5 LEDs	Radio signal strength is very strong and video quality is very good

Dark Mode*

Dark Mode turns off any lights on your DC-LINK device. Press and hold + for 3 seconds to (de)activate Dark Mode. When in Encryption Mode, all receivers will react to changes made on the transmitter and follow into or out of Dark Mode automatically.

FEATURES

Choosing a Channel

To choose a channel on the **transmitter/ receiver** press MENU and select with the **+** and **–** button. Press MENU to confirm.

Master Channel Selection*

All receivers on the same channel react to channel changes of the transmitter and follow automatically.

Multi Brand Connectivity*

All MKII **receivers** are equipped the Multi Brand Connectivity Feature that makes them compatible with most common non-DFS WHDI wireless video transmitters on the market. Choose a channel from different frequency sets (marked with letters, e.g. A0) using the + and – buttons and confirm with MENU. Channels used by DwarfConnection show no letter (0-9). For more detailed information, read the full product manual provided on our website.

OSD

Use the MENU button to navigate to the OSD menu and select the desired state by using the **+** or **–** button. Confirm your selection with MENU. An indicator on the OLED display of the receiver shows the OSD state. With MKII devices, the OSD shows a Record Indicator, so you always know if the camera is recording.

Reducing Transmission Power

Use the MENU button to navigate to the transmission power lever (shown as superscript numbers next to the channel indicator). Customize the transmission power using the **+** and **–** buttons and confirm your selection with MENU. One step reduces 5 % of the transmission power. The lowest transmission power selectable is 10 %.

Encryption Mode*

To activate encryption mode, press and hold the Menu button on your device to enter the encryption menu. Use + or – to check either ON or OFF and confirm with MENU. The main menu will show either **X ENC** or ✓ **ENC** to indicate weather encryption is on or off.

To link your devices, set your transmitter and all the receivers to the same channel, then activate encryption on your transmitter.

All receivers will follow into encryption mode automatically. For more detailed information, read the product manual provided on our website.

Fan Control & Cinema Mode

To switch the fan on the **transmitter / receiver** on or off, use the MENU button to navigate to the fan menu and select the desired state by using **+** or **–** turns the fans on permanently. **X** turns the fans off. **AUTO** selects cinema-mode, which triggers the fans using the record and stop signals of the camera. When recording is over the fan starts automatically. (Cinema mode is bound to metadata support and only available with SDI connection.)

Caution!

Switching off the fans may be required in some situations but doing this permanently is not recommended. Prolonged heat will affect the lifetime of your wireless equipment.
If the temperature of your device exceeds 75°C/165° F, turn on the fans immediately!
THERE IS NO EMERCENCY OUT!
Any damage caused by over-heating voids warranty.

*** only on MKII devices**