



DC-LINK.MKII

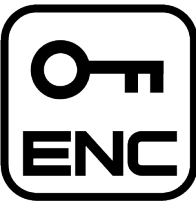
DwarfConnection's MKII version of the existing DC-LINK WHDI portfolio brings several new features as well as a little face lift.



It is our goal to provide high-quality wireless connection. This includes an uncompressed, latency-free video signal as well as stability you can rely on. For this reason, we stick with HD until we can guarantee higher resolutions without compromises and at the frame rates actually required for practical use.



While most manufacturers are moving to WIFI, we stick to WHDI technology and now create the ability to add DC-LINK receivers to an existing non-DFS WHDI system from other brands with our unique **Multi Brand Connectivity**. This works quite simply: All receivers in the MKII series let you choose from different frequency sets, which allows compatibility with other brands.



Whether you are shooting a Hollywood blockbuster or the financial presentation of a large corporation - sometimes we have to deal with sensitive content that is not intended for everyone's eyes. For devices that do not require pairing, this has sometimes been a criterion for exclusion. With the MKII series of our DC-LINK systems, we have solved this problem by implementing an **Encryption Mode** that can be activated easily and still allows a connection with an infinite number of receivers.



We want you to lead a long term relationship with your wireless systems! That's why our MKII series is of course compatible with all previous models and still equipped with 4pin sockets. For those who are not happy with this, there are 2pin : 4pin adapter cables as optional accessories.



The operation of your entire wireless system is now even easier than usual! All receivers react to channel changes of the transmitter and follow automatically.

We call this **Master Channel Selection**.



All lights go out in Dark Mode. In Encryption Mode all receivers follow the transmitter into and out of Dark Mode.

„Camera rolling!“ - or is it? Even when things get a little chaotic on set, you always know what's going on with the new Record Indicator on your OSD.

The significantly more stable Flexible Sword Antennas now come with all MK II devices.

All sets come in the new case, with space for one transmitter and up to three receivers. Since nothing has changed in the dimensions of the devices, the previous DC-LINK devices also fit perfectly into the new case - and vice versa.



FAQ

GENERAL

What are the technical specifications of the MK II devices?

The technical specifications did not change with the MK II. You can check them out here.

What are the technical specifications of the new antennas?

Gain: 3,3dBi

Impedance: 50 Ohm

Frequency: 5100-5800 MHz

Vertical Polarization

Beam width: 360° horizontal, 40° vertical

Length: 160 mm

Weight: 17 g

Do the flexible sword antennas fit to older models of DC-LINK devices?

Yes! They can also be purchased separately (in sets of 2 or 5).

Do the MK II devices fit in my old DwarfConnection case?

Yes, they do! Size and weight did not change. Also, older units fit in the new case that has enough space to hold a transmitter and up to 3 receivers.

ENCRYPTION MODE

How does the encryption work?

Connect your transmitter and receivers by setting them to the same channel. Then activate Encryption Mode on your transmitter and all receivers will follow. Now you have an encrypted transmission set that cannot be joined by new receivers. If a new receiver is set to the channel the encrypted set is using, it will be impossible to see the transmitted image.

Do I have to do anything on my receiver to activate encryption?

No. If you activate Encryption Mode on your transmitter, all receivers that are set to the referring channel will follow automatically.

What happens if I turn off encryption on a linked receiver?

Your receiver will leave the encrypted group of devices. To reenter, activate Encryption Mode. IMPORTANT: This is only possible with receivers that have initially been linked to the encrypted group.

Can I get a receiver out of the encrypted group without the need to link the devices again?

Yes, you can easily deactivate Encryption Mode on your receiver to leave the encrypted set.

Can I get a new receiver into an encrypted group?

To add a receiver to an encrypted group of devices, you need to deactivate encryption on your transmitter. Then, link the devices again by setting all of them to the same channel and activate Encryption Mode on your receiver again. This is usually done quite quickly.

Can a receiver switch between two (or more) encrypted groups?

Given the fact that this is exactly the scenario Encryption Mode is preventing, this is not possible without linking the devices again.

Do I have to reconnect the encrypted system when changing the channel?

No. Just change the channel on your transmitter and all receivers will follow automatically.

Do I have to link and/or reconnect the encrypted group on set?

No. As all encryption settings stay active after turning your devices off, you can prepare your systems prior to shooting.



FAQ

MULTI BRAND CONNECTIVITY

How exactly does Multi Brand Connectivity work?

All manufacturers of non DFS WHDI systems are using different sets of channels. DwarfConnection wireless receivers provide the feature to select from various channel sets that correspond to those other manufacturers are using. That way, you can use transmitters you already own with your DC-link receivers.

How do I use Multi Brand Connectivity on my DC-LINK device?

Choose from 41 channels on your DC-LINK receiver. The channels 0-9 are used by DwarfConnection. Those with letters A to C are different channel sets, corresponding to different other brands.

Can I mix DC-LINK transmitters and receivers with other brands?

Multi Brand Connectivity is limited to DC-LINK receivers. You can receive the signal of other manufacturer's (non DFS!) WHDI transmitters but you cannot transmit to other brand's receivers.

How do I know what channel set I need to choose?

Trial and error is for sure the fastest way to do that: Set your transmitter the desired channel, let's say channel 3. Then set your receiver to 3, A3, B3, C3. If C turns out to be the right channel set, then always use C-Channels with this transmitter.

Are older models of the ULR1 / LR2 / CLR2 / X.LINK compatible with other brands, too?

No. Multi Brand Connectivity is only available on MKII devices.

MASTER CHANNEL SELECTION

What exactly is Master Channel Selection?

This means that linked receivers react to channel changes of the transmitter and follow automatically.

Can I switch from one Master Transmitter to another?

Sure! Just choose the channel of the other transmitter and your receiver is connected to that device.