

FieldCast

Installation and Operation Manual

FieldCast Adapter Two

Model: Adapter Two

www.fieldcast.eu

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Welcome

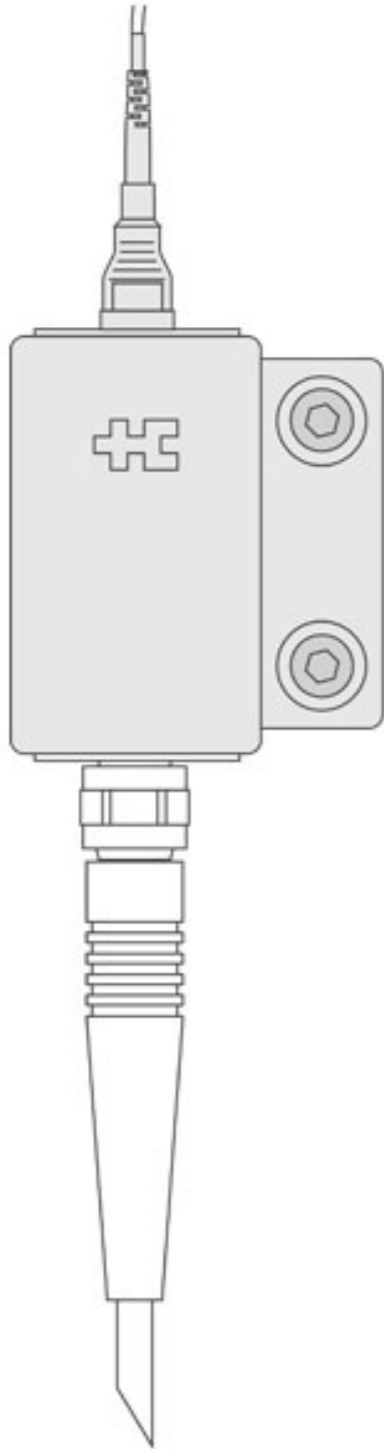
Thank you for purchasing FieldCast Adapter Two for your live production work.

Adapter Two is the standard version in our Adapter Two series which consist of two models: Adapter Two and Adapter Two Hybrid.

With Adapter Two you have a solution to set up robust fiber optic connection between Blackmagic Design Studio Camera and your control room or OB Van. Adapter Two is specifically build for Studio Camera and Studio Camera 4K. It is very easy to attach it and get it up and running.

With Adapter Two you create a bridge between FieldCast's robust fiber optic connectivity and the vulnerable LC plug of Blackmagic Design Studio Camera.

Adapter Two is a matte black aluminium solution, built around a milled out block containing two fiber optic connectors. On one side is the robust FieldCast connector where you connect your FieldCast main cable to. On the other side is a standard LC Duplex





Adapter Two mounted to Studio Camera



Adapter Two with mounting plate for Studio Camera

connector where you connect to the SFP of Blackmagic Studio Camera, with included slim and flexible bridging cable.

The separate LC Duplex bridging cable completely eliminates any torsion at the level of the vulnerable SFP connector.

Adapter Two mounts directly to the side of the camera body using a special mounting plate and screws tapping into two of the 1/4" inserts at the right side of the camera body.

When you are not using the mounting plate, Adapter Two shows a universal 1/4" 20 UNC insert to mount to any tripod, rig or arm. This way Adapter Two can be connected to any device that has LC Duplex connection.

Adapter Two is a fully passive device, bridging fiber to fiber in the most straightforward way possible, no special tricks. Using the fiber optic connection of Studio Camera makes the use of the SDI connections on the camera obsolete. Instead of using two SDI cables you now can use one fiber optic cable and have all the advantages of ATEM camera control where signals back and forth are needed.

Now you can do your live production while moving freely and safely over the studio floor or out in the field, whatever the distance, even if it is 4K video. Just keep the connections clean and go.

In this manual you will find instructions how to assemble Adapter Two to your Studio Camera and how to use it. On the last page you will find the specifications.

If you need any extra service and support you can send an email to support@fieldcast.eu

Installation

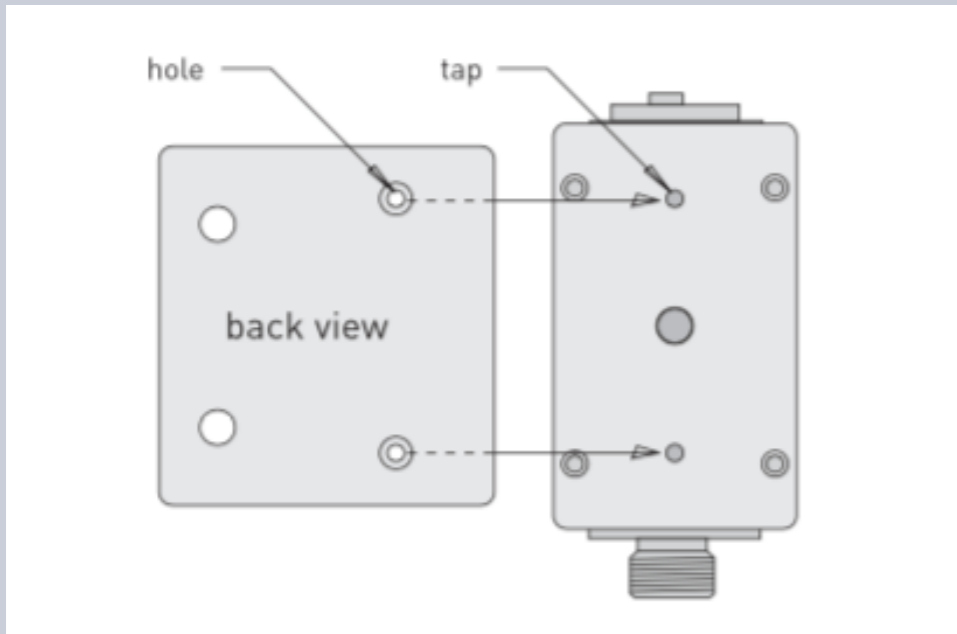
What is in the package?

When you open Adapter Two you will find the following parts.

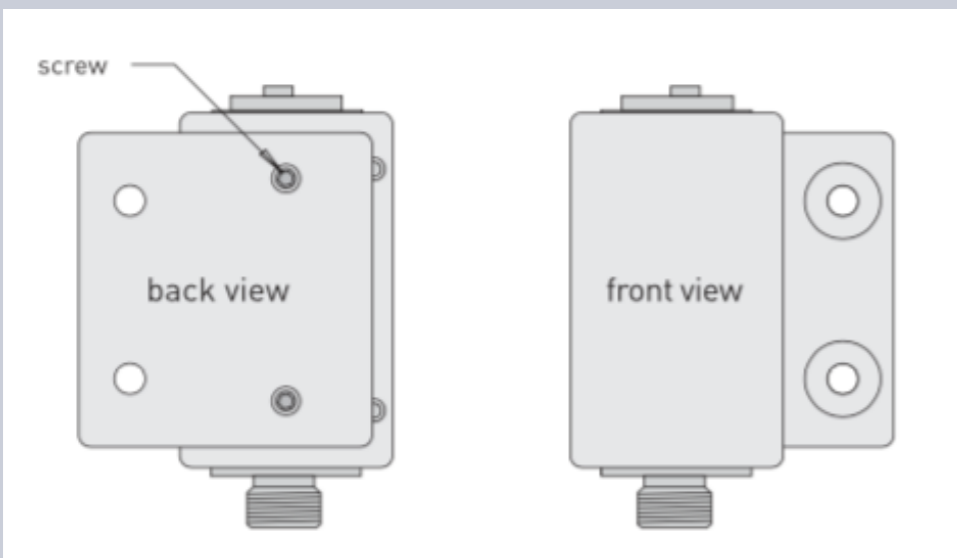
- Adapter Two aluminum brick
- Adapter Two aluminum mounting plate
- Black hex key
- Two black hex socket caps screw
- 2 pairs of 1/4" screws for mounting either with or without camera sunshade
- 1 pair of nylon washers for the 1/4" mounting screws
- Chrome colored hex key
- 40cm. LC Duplex patch cable

Assembling to Studio Camera

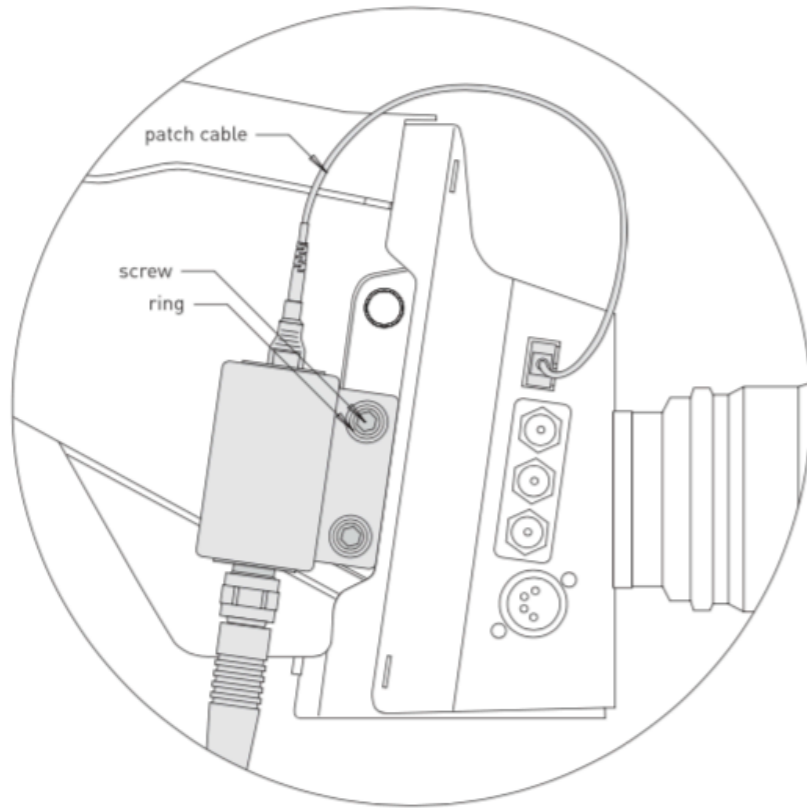
- Step 1. Join the Adapter Two brick and the Adapter Two mounting plate, back to front, using the two black hex socket caps screws. The black hex key is for fixing the two screws. Take care to put the plate into the right position.



Step 1. Unmounted view



Step 1. Mounted view



Step 2. View of assembled Adapter Two to Studio Camera

- Step 2. Connect the assembled Adapter Two to the right side of Studio Camera, using the two lower camera taps. The Kit contains two shorter screws and two longer screws. Use the shorter screws when you want to operate the camera without the sunhood mounted. Use the longer screws when you want to operate the camera with the sunhood mounted. Put the two white rings in between the screw caps and the mounting plate. The chrome colored hex key is for fixing the two screws to the camera body. Take care to put it all into the right position.
- Step 3. Connect one side of the 40 cm. LC Duplex patch cable to the LC chassis connector of Adapter Two, and connect the others side to the SFP of Studio Camera.

Now you are all set and done, and you can connect FieldCast 2Core Single Mode Main Cable straight to the camera!



Connector to LC Duplex bridging cable that connects to Studio Camera



LC Duplex bridging cable ending in the SFP of Studio Camera

Using Adapter Two

Adapter Two is built to connect to the SFP of Blackmagic Studio Camera and Studio Camera 4K. By default, Studio Camera is delivered without SFP. Fieldcast offers 3G, 6G and 12G SFPs that perfectly fit into Studio Camera. You can find them on <https://fieldcast.eu/products/converters>.

Adapter Two is specifically developed for use in conjunction with FieldCast 2Core single mode (SM) cable.

Adapter Two has a FieldCast connector with 2 yellow dots on a black cover plate, indicating that it is a 2Core single mode product. The 2 yellow dots are part of the FieldCast color coding system. They match with 2 yellow rings on the cable connector of a FieldCast main cable on the one side and 2 yellow rings on the LC bridging cable on the other side of Adapter Two.

Just follow the color codes and you are always sure that a cable with 2 yellow rings fits into the connectors of Adapter Two. And as a system they fit to Blackmagic Studio Camera as Studio Camera is a 2Core single mode product as well.



Connector to FieldCast 2C SM main cable



A completely installed Adapter Two with FieldCast main cable on the one side and LC bridging cable to Studio Camera on the other side.

FieldCast offers 100m and 200m 2Core single mode main cables in Ultra Light and Heavy Duty quality. You can find them on <https://fieldcast.eu/products/cables/fieldcast-2core/single-mode/main-cable>

■ Step 1. Connect a 2Core single mode main cable to the connector of Adapter Two. Connecting FieldCast connectors is very simple. Unscrew the dust caps from both Fieldcast connectors. Hold one hand on the black sleeve of the main cable connector. Turn from here a bit around until it clicks in the connector of Adapter Two. Put your other hand on the nut, which is at the end of the main cable connector, and screw it on to get a tight fit. Screw the dust caps of the two FieldCast connectors to each other so that they cannot stand in the way.

Now you have a robust fiber optic connection between our main cable and Blackmagic Design Studio Camera, fast and easy.

Specifications

- milled out aluminum case, glass blasted and anodized
- color coded and FieldCast 2Core SM Chassis Connector with D-size flange
- custom FieldCast ultra short bend insensitive patching cable inside
- Senko LC Duplex connection with internal dust caps
- 30 cm. black LC Duplex patch cable for connecting to camera SFP
- high bandwidth single mode 9/125 fiber technology
- 2 pairs of 1/4" screws for mounting with or without camera sunshade
- 1 pair of nylon washers for the 1/4" mounting screws
- weight including mounting plate 270 grams
- hex keys and instruction manual included
- dimensions adapter: 93 (L) x 45 (B) x 33 (H) mm.
- weight including mounting plate 270 grams