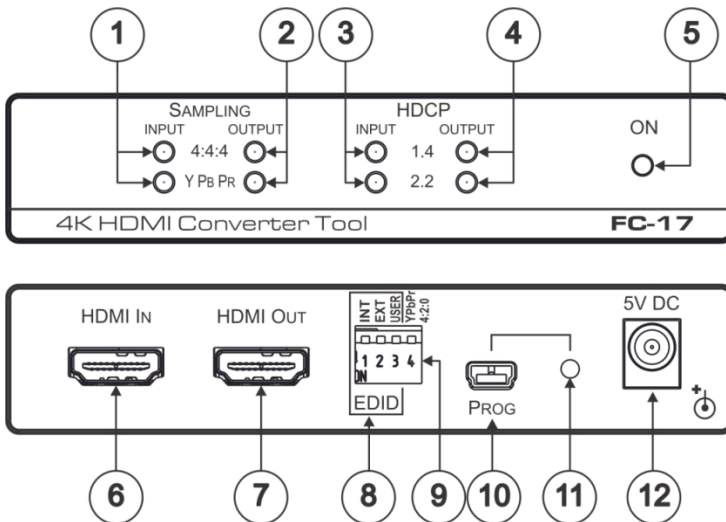# KRAMER

FC-17 Quick Start Guide

This guide helps you install and use your **FC-17** for the first time.

Go to **www.kramerav.com/downloads/FC-17** to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ☑ **FC-17** 4K HDMI Converter Tool
- ☑ 4 Rubber feet
- ☑ 1 Power supply (5V DC)
- ☑ 1 Quick start guide
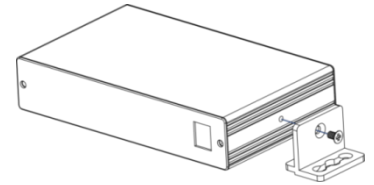- ☑ TOOL Mounting bracket kit

Step 2: Get to know your FC-17

#	Feature	Function
1	SAMPLING INPUT LEDs	Indicate the input chroma sub-sampling and color space
2	SAMPLING OUTPUT LEDs	Indicate the output chroma sub-sampling and color space
3	HDCP INPUT LEDs	Indicate the input HDCP standard
4	HDCP OUTPUT LEDs	Indicate the output HDCP standard
5	ON LED	Lights green when the unit is powered on; changes to red to indicate that a successful USB LINK is established via the EDID Manager software
6	HDMI IN Connector	Connect to an HDMI source
7	HDMI OUT Connector	Connect to the HDMI acceptor
8	EDID DIP-Switches	DIP 1 (INT): When ON (down), the source sees the internal default EDID DIP 2 (EXT): When ON (down), the source reads the EDID of the acceptor that is connected to the HDMI output DIP 3 (USER): When ON (down), the source reads a user-defined EDID **Note**: For normal operation, only one EDID DIP-switch should be set to ON (down)
9	YPbPr/420 DIP-Switch	When ON: 4K50/60 YPbPr 4:4:4 signals are converted to 4:2:0 4K50/60 RGB signals are converted to YPbPr 4:2:0 Resolutions other than those above are bypassed
10	PROG USB Port	Connect to a PC for programming use with the application software and for firmware upgrade.
11	Recessed Pushbutton	Use for the upgrade process
12	5V DC	+5V DC connector for powering the unit

P/N: 2900- 300840QS   Rev: 2
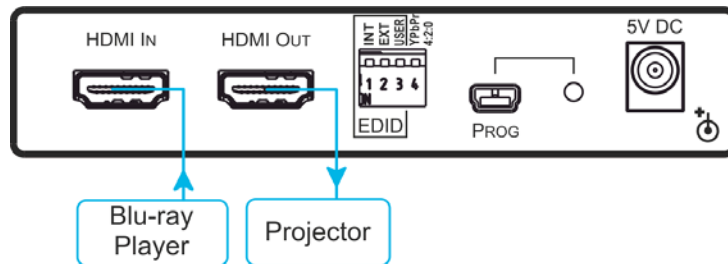
Step 3: Install the FC-17

Install **FC-17** using one of the following methods:

- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface.
  For more information go to **www.kramerav.com/downloads/FC-17**.
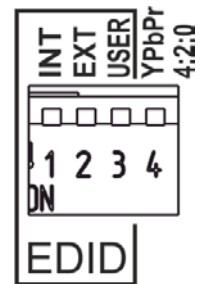- Mount the unit in a rack using an optional **RK-3T** rack adapter.

Step 4: Connect the inputs and outputs

Always switch OFF the power on each device before connecting it to your **FC-17**. For best results, we recommend that you always use Kramer high-performance cables to connect AV equipment to the **FC-17**.

Set the DIP-switches:

DIP-Switch #		Description
EDID	DIP 1 (INT)	When set to ON (down), the source sees the built-in default EDID
	DIP 2 (EXT)	When set to ON (down), the source sees the EDID of the sink connected to the output
	DIP 3 (USER)	When set to ON (down), the source sees the EDID programmed by the user
	Note: For normal operation, set only one of the above three EDID DIP-switches to ON (down)	
Sampling	DIP 4 (YPbPr, 4:2:0)	When set to ON (down): 4K50/60 YPbPr 4:4:4 and 4K50/60 RGB signals are converted to YPbPr 4:2:0; other resolutions are bypassed. When set to OFF (up): The signal is always bypassed

Step 5: Connect the power

Connect the 5V DC power adapter to the power socket and then connect the adapter to the mains electricity.

Safety Instructions

Caution: There are no operator serviceable parts inside the unit.
Warning: Use only the Kramer Electronics power supply that is provided with the unit.
Warning: Disconnect the power and unplug the unit from the wall before installing.
See www.KramerAV.com for updated safety information.

Step 6: Manage the EDID

The EDID is managed via the EDID DIP-switches and the EDID management software.

After downloading the EDID Manager software, connect the USB port from the **FC-17** to your PC and manage the EDID via the software:

Set the acceptor EDID as the User EDID via the DIP-switches:

1. Disconnect the power.
2. Connect the acceptor to the **FC-17**'s output.
3. Set DIP 1, DIP 2 and DIP 3 to ON.
4. Connect the power.
   All the LEDs flash briefly.
5. Disconnect the power, and set one of the INT, EXT or USER DIP-switches to ON, as desired.
6. Connect the power.