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FC-6 Ethernet
Gateway

KRAMER FC-6 Ethernet Gateway User Guide

Contents

KRAMER FC-6 Ethernet Gateway

Specifications

- Model: FC-6 Ethernet Gateway
- Manufacturer: Kramer
- Power Input: USB or optional 5V DC
- Default IP: 192.168.1.39

Product Usage Instructions

Step 1: Check what's in the box

Make sure the package includes the FC-6 Ethernet Gateway, rubber feet, USB A to USB mini cable, quick start guide, and bracket set.

Step 2: Get to know your FC-6

Learn about the different features of your FC-6, including the IR sensor, LAN RJ-45 connector, LEDs, reset button, USB connector, DIP switches, terminal blocks, and power connectors.

Step 3: Install the FC-6

Mount the FC-6 in a suitable location using the provided bracket set. Ensure it is placed near a power source for easy connectivity.

Step 4: Connect the inputs and outputs

Before connecting devices, power off each device. Use high-performance cables to connect equipment to the FC-6 for optimal performance.

Step 5: Connect the power

Connect the FC-6 to a USB power source or optional 5V DC power supply. Always use the provided Kramer Electronics power supply for safety.

Step 6: Configure and operate the FC-6

Identify the assigned IP address of the FC-6 using the K-LAN Configurator. To reset to factory default settings, follow the steps mentioned in the manual. Access the Web UI using the default hostname.

Frequently Asked Questions

- **Q: How do I reset the FC-6 to factory default settings?**
  - A: Turn off the power, press and hold the Reset button, turn on the power while holding the button, and release the button after a few seconds to reset.
- **Q: What is the default IP address of the FC-6?**
  - A: The default IP address is 192.168.1.39.
- **Q: Where can I download firmware upgrades for the FC-6?**
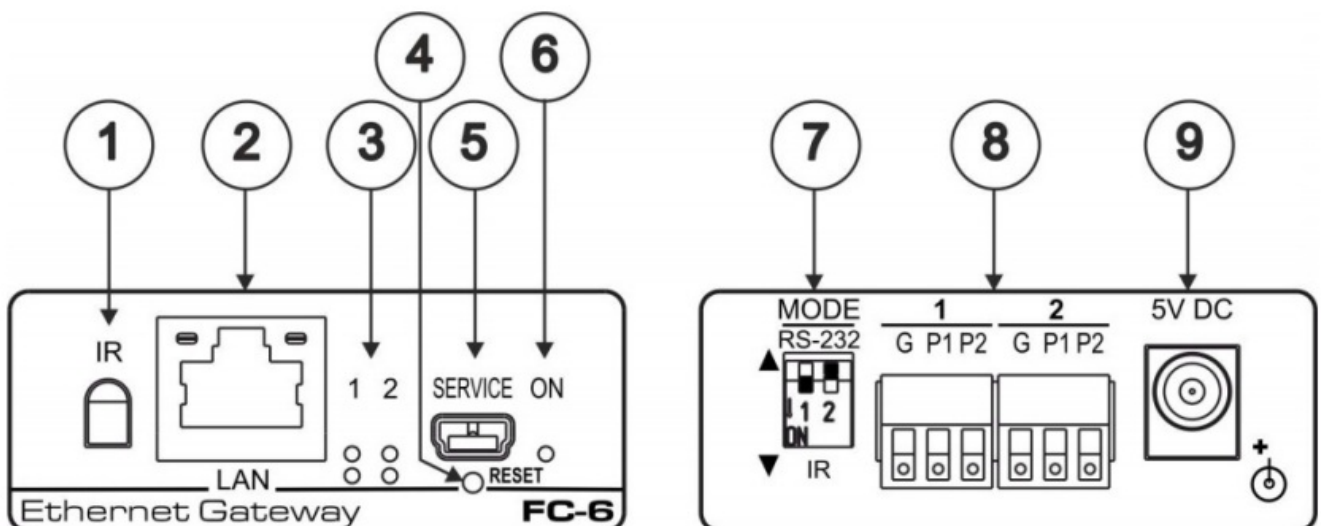 - A: Visit **www.kramerav.com/downloads/FC-6** to download the latest user manual and firmware

upgrades.

Quick Start Guide

This guide helps you install and use your FC-6 for the first time. Go to **www.kramerav.com/downloads/FC-6** to download the latest user manual and check if firmware upgrades are available

Step 1: Check what's in the box

- FC-6 Ethernet Gateway
- 4 Rubber feet
- 1 Bracket set
- 1 USB A to USB mini cable
- 1 Quick start guide

Step 2: Get to know your FC-6

#	Feature	Function
1	IR Sensor	Sensor for IR learning
2	LAN RJ-45 Connector	Connects to an IP client or other controller, either directly or via a LAN
3	Port 1 and 2 white (upper) and blue LEDs	Show the transmission status of port 1 and port 2: When set as RS-232, the white LED indicates Tx and blue LED indicates Rx When set as IR, the white LED indicates IR-P1 Tx and blue LED indicates IR-P2 Tx
4	RESET Button	Press and hold while cycling the device power to reset to factory default parameters
5	SERVICE Mini USB Connector	Connects to a USB power source for powering and to a PC for a local firmware upgrade
6	ON LED	Lights green when the unit is powered on
7	MODE DIP-switches (Port 1 and Port 2)	Switch up for RS-232, switch down for IR The default setting is port 1 RS-232 (up) and port 2 IR (down)
8	Port 1 and 2 I/O 3-pin Terminal Block	Each terminal block connects one bidirectional RS-232/RS-485 port or two IR outputs
9	5V DC Connector	Connects to an optional 5V DC power supply, center pin positive. Not needed when the device is supplied power by a USB power source

Install the FC-6

Step 3: Install the FC-6

You can mount this Kramer PicoTOOL™ next to a USB power source behind an AV device, in-room ceiling area, on a desktop, wall or similar area. Install FC-6 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-6**.
- Mount the unit in a rack using an optional RK-4PT rack adapter
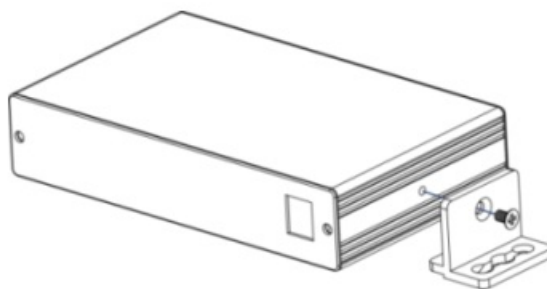
Step 4: Connect the inputs and outputs

Always switch OFF the power on each device before connecting it to your FC-6. For best results, we recommend

that you always use Kramer high-performance cables to connect controlled equipment to the FC-6.
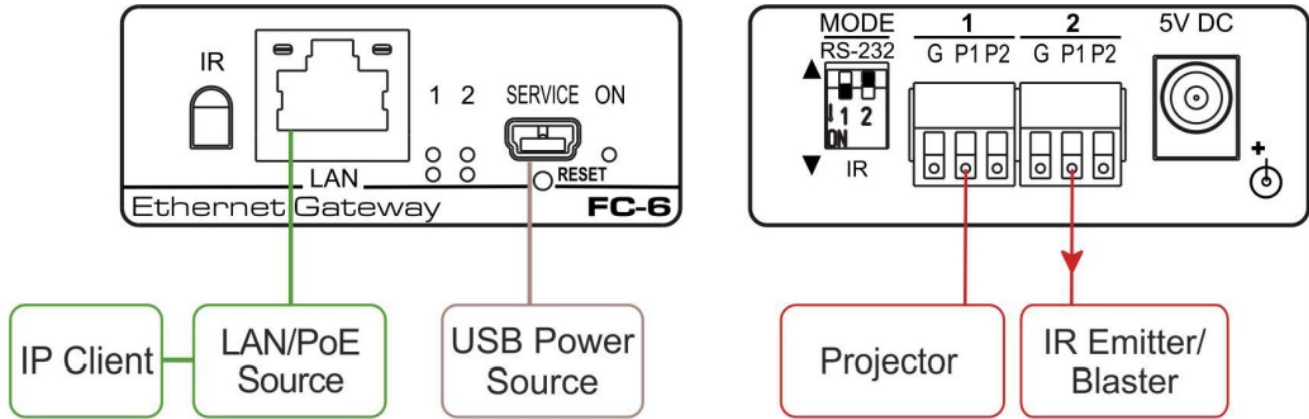
Step 5: Connect the power

Connect a USB power source and/or an optional 5V DC power supply to the FC-6 and plug it into 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 it.

See **www.KramerAV.com** for updated safety information.

Step 6: Configure and operate the FC-6

Note: The FC-6 arrives with the default IP 192.168.1.39. To connect the FC-6 on the first installation, you must identify what IP address has been automatically assigned to the FC-6. To discover the IP address of FC-6, use K-LAN Configurator, available for download from our website at **www.kramerav.com**.

To reset the device to its factory default settings:

1. Turn off the power to the device.
2. Press and hold the Reset button on the front panel.
3. Turn on the power to the device while holding down the Reset button for a few seconds.
4. Release the button. The device is reset to the factory default settings.

To browse the FC-6 Web UI (User Interface) using factory default settings: Use the default hostname: FC-6-xx, where xxxx are the last four digits of the serial number of the device.
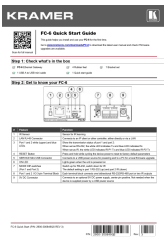
To configure and operate the FC-6:

1. Using the device Web UI, configure the control gateway:

- Set DHCP or assign a static IP address
- Associate IP port(s) with the relevant port(s)
- Configure the relevant port parameters

2. Configure IP client connection port(s) on a Kramer control or any other control software application.

3. Set the control application to use the control gateway ports for sending and receiving control communication over the IP connections

- **WWW.KRAMERAV.COM**

Documents / Resources

KRAMER FC-6 Ethernet Gateway [pdf] User Guide
FC-6 Ethernet Gateway, FC-6, Ethernet Gateway, Gateway

References

- **Kramer | Audio-Visual Solutions and Experiences**
- **Kramer | Audio-Visual Solutions and Experiences**
- **User Manual**