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## FC-6P Quick Start Guide

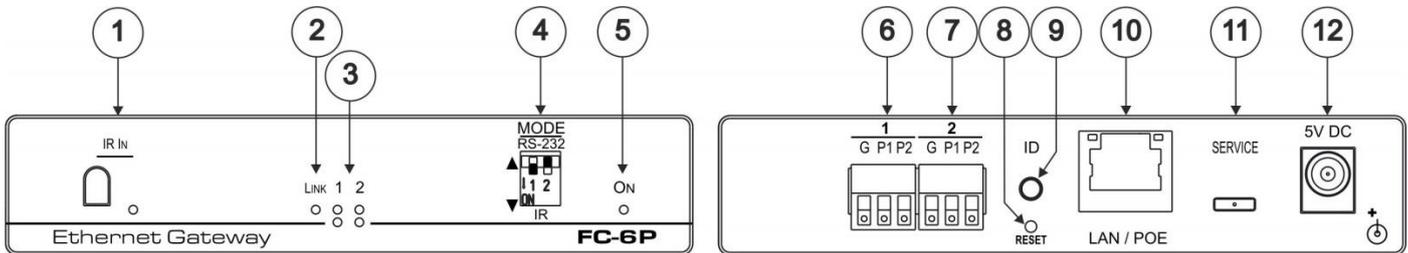
This guide helps you install and use your **FC-6P** for the first time.

Go to [www.kramerav.com/downloads/FC-6P](http://www.kramerav.com/downloads/FC-6P) to download the latest user manual and check if firmware upgrades are available.

### Step 1: Check what's in the box

- ✓ **FC-6P** 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-6P

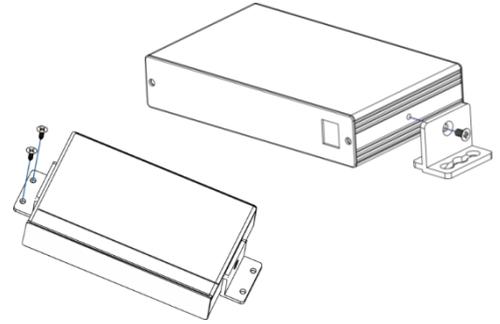


| #  | Feature  | Function   |
|----|--|--|
| 1  | IR Sensor and LED  | Sensor for IR learning, LED lights during activity   |
| 2  | LINK LED   | Shows the Ethernet link is active  |
| 3  | Activity LEDs<br>Ports 1 and 2, white (upper) and blue (lower) | Show the transmission status of port 1 and port 2:<br>When set as RS-232, the white LED indicates Tx and blue LED indicates Rx<br>When set as IR, the white LED indicates IR-P1 Tx and blue LED indicates IR-P2 Tx |
| 4  | MODE DIP-switches<br>(Port 1 and Port 2)                       | Switch up (off) for RS-232, switch down (on) for IR<br>The default setting is port 1 RS-232 (up) and port 2 IR (down)  |
| 5  | ON LED   | Lights green when the unit is on   |
| 6  | Port 1 I/O 3-pin Terminal Block                                | Port 1 terminal block connects one bidirectional RS-232/RS-485 port or two IR outputs  |
| 7  | Port 2 I/O 3-pin Terminal Block                                | Port 2 terminal block connects one bidirectional RS-232 port or two IR outputs   |
| 8  | RESET Button   | Press and hold while cycling the device power to reset to factory default parameters   |
| 9  | ID   | Press to broadcast ID message for auto-discovery of the device   |
| 10 | LAN/POE RJ-45 Connector  | Connects to a PoE source (Power over Ethernet) for powering and an IP client or other controller, either directly or via a LAN   |
| 11 | SERVICE Mini USB Connector                                     | Connects to a USB power source for powering and to a PC for a local firmware upgrade   |
| 12 | 5V DC Connector  | For extra power resiliency, connect to the optional 5V DC power supply, center pin positive.<br>Not needed when the device is supplied power by PoE or a USB power source  |

### Step 3: Install the FC-6P

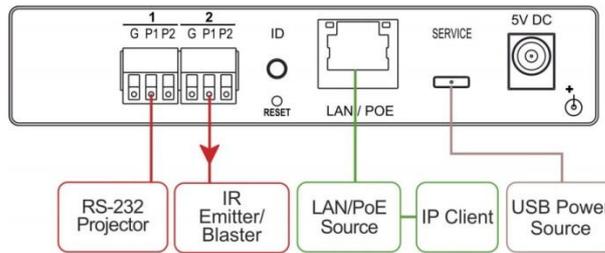
You can mount this Kramer TOOLS™ next to a USB power source behind an AV device, in the ceiling, on a desk top, wall or similar area. Fasten a bracket on each side of the TOOLS using the two M3x8 screws (supplied). Use the flat-head screws (supplied) to fix the TOOLS to the mounting surface or enable it to slide in place.

Or you can attach the rubber feet and place on a table or mount the **FC-6P** in a rack (using an optional **RK-3T** rack mount).



### Step 4: Connect the inputs and outputs

Always switch OFF the power on each device before connecting it to your **FC-6P**. For best results, we recommend that you always use Kramer high-performance cables to connect controlled equipment to the **FC-6P**.



### Step 5: Connect the power

Connect the PoE or USB power source and/or the optional 5V DC power adapter to the **FC-6P** and plug it into the mains electricity.

### Step 6: Configure and operate the FC-6P

**Note:** The **FC-6P** is shipped from the factory with DHCP enabled and a random IP address. To connect the **FC-6P** on first installation, you must identify what IP address has been automatically assigned to the **FC-6P**. To discover the IP address of **FC-6P**, use **K-LAN Configurator**, available for download from our website at [www.kramerav.com](http://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 rear 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-6P Web UI (User Interface) using factory default settings:

Use the default host name: **FC-6P-xxxx**, where **xxxx** are the last four digits of the serial number of the device.

#### To configure and operate the FC-6P:

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.

#### FC-6P Function Table

| Port IO Function | Terminal Block Connections |                 |                 | IO Port Default | TCP Default Port [P1/P2] | Blue Activity LED Pair                             | Comment  |
|------------------|----------------------------|-----------------|-----------------|-----------------|--------------------------|--|--|
|                  | G                          | P1              | P2              |                 |                          |  |  |
| RS-232           | Ground                     | Rx              | Tx              | 9600,8,N,1      | 5001/2                   | Flashes when port is transmitting & receiving data | Other serial configurations via Web, including RS-485 for Port 3 |
| IR               | Ground                     | IR <sub>1</sub> | IR <sub>2</sub> |                 | 5000                     | ON when ports are transmitting IR data             |  |

**Key:**  
P1 / P2 – Port 1 / Port 2; Tx – Transmit, Rx– Receive; 9600, 8, N, 1 – 9600 baud, 8-bits, no parity, 1 stop bit; IR<sub>1</sub> / IR<sub>2</sub> – IR Port 1 / IR Port 2