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FC-102NET Quick Start Guide

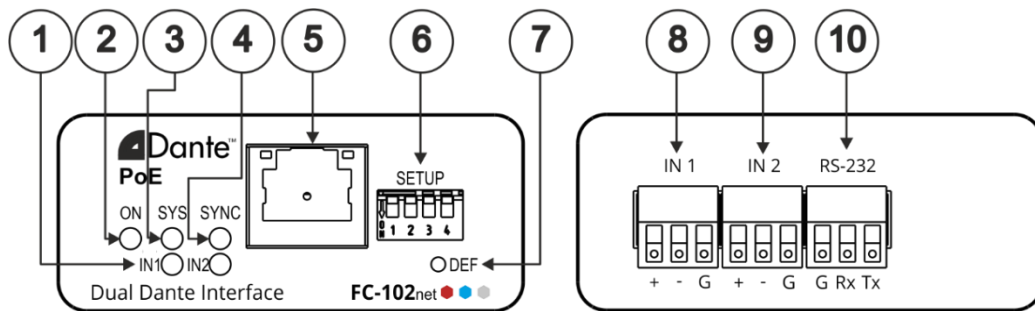
This guide helps you install and use your FC-102NET for the first time.

Go to www.kramerav.com/downloads/FC-102NET to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ✓ FC-102NET Dual Dante Interface
- ✓ 1 Bracket set
- ✓ 1 Quick start guide
- ✓ Double-sided adhesive dual lock tape

Step 2: Get to know your FC-102NET

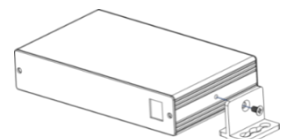


#	Feature	Function
1	ON LED	Lights green when the device receives power.
2	SYS LED	Lights green when Dante network is available; lights red if an error has occurred.
3	SYNC LED	Lights green for digital audio normal operation; flashes green when this unit is the Master clock; lights red if an error has occurred.
4	IN LEDs (1 and 2)	Lights white when a microphone is selected to the input (IN 1/IN 2); lights green when a line level source is selected; lights red to indicate clipping on the input.
5	Dante PoE RJ-45 Port	Connect to the Dante audio sink via the Network and provide Power over Ethernet (PoE) to the device. By default, DHCP is enabled.
6	SETUP 4-way DIP-switches	Set the operation DIP-switches (see Step 4: Connect the inputs and outputs).
7	DEF Recessed button	To reset/reboot the device, press and release the button. To reset to factory settings, press and hold the button for at least 5 seconds.
8	IN 1 3-pin Terminal Block Connector	Connect to a balanced mono mic or line level source (+, -, G).
9	IN 2 3-pin Terminal Block Connector	Connect to a balanced mono mic or line level source (+, -, G).
10	RS-232 3-pin Terminal Block Connector	Connect to a serial controller to control this device.

Step 3: Mount FC-102NET

Install FC-102NET using one of the following methods:

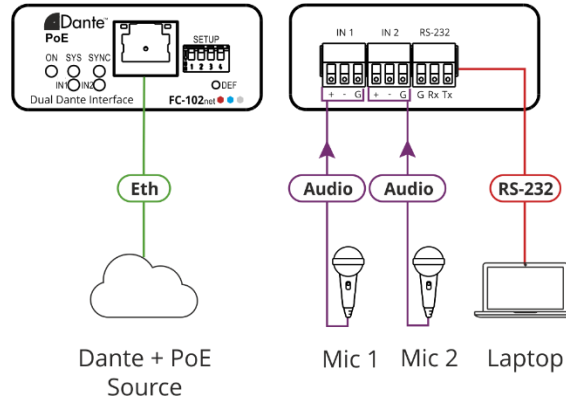
- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see www.kramerav.com/downloads/FC-102NET).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/FC-102NET).



- Ensure that the environment (e.g., maximum ambient temperature & air flow) is compatible for the device.
- Avoid uneven mechanical loading.
- Appropriate consideration of equipment nameplate ratings should be used for avoiding overloading of the circuits.
- Reliable earthing of rack-mounted equipment should be maintained.

Step 4: Connect the inputs and outputs

Always switch OFF the power on each device before connecting it to your FC-102NET.
For best results, we recommend that you always use Kramer high-performance cables to connect AV equipment to the FC-102NET.



DIP-Switch Settings

All DIP-switches are set to OFF (up) by default except DIP-switch 1 which is set to ON (down) by default.



#	Feature	Dip-switch Settings
1	IN 1 Connection Type	UP (off) – when connecting IN 1 to a microphone. DOWN (on) – when connecting IN 1 to a line level source.
2	MIC 1 Phantom Mode	Use when IN 1 is connected to a microphone. UP (off) – phantom power is on (set for condenser microphones). DOWN (on) – phantom power is off (set for dynamic microphones).
3	IN 2 Connection Type	UP (off) – when connecting IN 2 to a microphone. DOWN (on) – when connecting IN 2 to a line level source.
4	MIC 2 Phantom Mode	Use when IN 2 is connected to a microphone. UP (off) – phantom power is on (set for condenser microphones). DOWN (on) – phantom power is off (set for dynamic microphones).

Step 5: Connect the power

The device is PoE powered via Dante port.

Safety Instructions



Caution: There are no operator serviceable parts inside the unit.
Warning: Do not open the unit. High voltages can cause electrical shock! Servicing by qualified personnel only.

See www.KramerAV.com for updated safety information.

Step 6: Operate the FC-102NET

Operate FC-102NET:

- Remotely, by RS-232 serial commands transmitted by a touch screen system, PC, or other serial controller.

RS-232 Control / Protocol 3000			
Baud Rate:	115,200	Parity:	None
Data Bits:	8	Command Format:	ASCII
Stop Bits:	1		
Example (Set channel #1 input volume to -6dB): #AUD-LVL 1,1,-6<CR>			

Technical Specifications

Inputs	2 balanced inputs	On 3-pin terminal block connectors
Output	Dante	On an RJ-45 female connector
Port	RS-232	On a 3-pin terminal block connector
Controls		Dante IP control matrix and Kramer Protocol 3000
Power	Source	48V DC (PoE)
	Consumption	48V DC, 100mA
Environmental Conditions	Operating Temperature	0° to +40°C (32° to 104°F)
	Storage Temperature	-40° to +70°C (-40° to 158°F)
	Humidity	10% to 90%, RHL non-condensing
Regulatory Compliance	Safety	CE
	Environmental	RoHs, WEEE
Enclosure	Size	Pico TOOL
	Type	Aluminum
General	Net Dimensions (W, D, H)	6.2cm x 5.2cm x 2.4cm (2.4" x 2" x 1") W, D, H
	Shipping Dimensions (W, D, H)	15.7 cm x 12cm x 8.7cm (6.2" x 4.7" x 3.4") W, D, H
	Net Weight	0.08kg (0.2lb)
	Shipping Weight	0.23kg (0.5lb)