

ETC® Setup Guide

DMX/RDM One Port Gateway

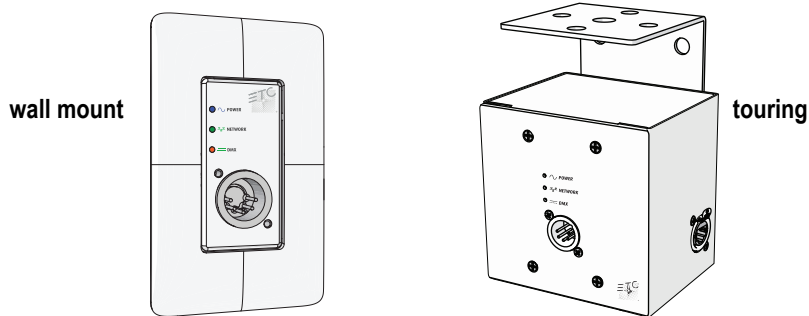


Overview

The DMX/RDM One Port Gateway is a network data distribution device designed for simple installations with support for Net3 protocols including sACN as well as DMX and Remote Device Management (RDM). The instructions outlined in this document apply to both Input and Output versions of the One-Port gateway.

The One-Port DMX Gateway installs into a single gang backbox. It is also available as a Portable Gateway. The One Port Gateway is powered by 802.3af Power over Ethernet (PoE) or 12-24VDC power. Network wiring should be installed and terminated by a qualified network installer and follow standard Ethernet wiring practice.

Configuration for NET3 DMX/RDM gateways is done using NET3 Concert Software. The latest version is available from www.etconnect.com and includes an in-depth help system.



Installation

Portable Setup

The portable One Port Gateway is designed for simple setup and can be pipe mounted using the supplied mounting bracket.

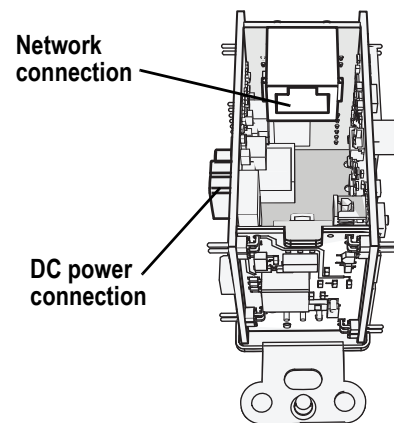
Step 1: Connect a Cat5 Cable (not provided) to the RJ45 connector on the side of the unit.

Wall Mount Setup

Both surface and flush mount installations are acceptable. For surface mounting, ETC recommends the use of an ETC single gang surface mount backbox (part# 7081A2004-1). For flush mounting, ETC recommends the use of RACO #691 backbox or equivalent (provided by others). All wall-mount gateways include a standard faceplate but are compatible with any Decorator style faceplate.

Install the gateway into a backbox

- Step 1: Ensure the backbox is clean and free of any obstructions.
- Step 2: Terminate the incoming Cat5 wiring using the supplied Cat5 termination kit.



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Step 3: Connect Power to the gateway

- If using PoE for power, plug the supplied RJ45 patch cable (12"/300mm) into the female RJ45 that you have previously installed into the backbox and the connector on the One Port Gateway.
- If using DC power, connect the incoming 12-14 VDC power leads to the DC power terminals on the side of the gateway.



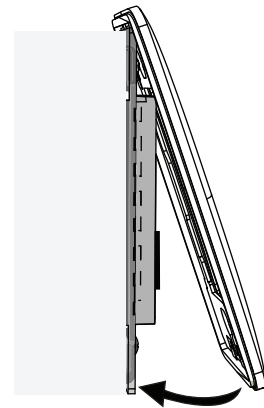
Note: *All 1-port Gateways require proper grounding. When installing the gateway in a backbox that is not grounded, use the included ground wire to connect the gateway to earth ground.*

Step 4: Use the included mounting screws to attach the gateway to the backbox.

Install the faceplate

The faceplate assembly includes magnets that secure it to the gateway.

- Step 1: Attach the faceplate alignment bracket to the gateway using the provided screws.
- Step 2: Align the top of the faceplate to the gateway with the bottom edge angled out approximately 20°.
- Step 3: Hook the top of the faceplate to the tabs located on the gateway electronics assembly. The faceplate should stay in place if wiggled side to side.
- Step 4: Pivot the faceplate downward until the magnets engage.
- Step 5: If the magnets do not fully engage, wiggle the bottom of the faceplate until all magnets are properly seated and the faceplate is secure.



Status and Feedback LEDs

Once properly connected to the network, the LEDs will provide the following feedback.

Power LED

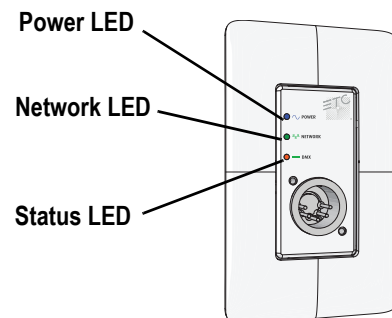
- A constant blue LED indicates power to the gateway.

Network LED

- A constant green LED indicates a valid network connection is present.

Status LED

- The status LED may show as red, green or orange depending on the status of the gateway. The following chart details the possible LED status messages.



Solid Orange	the port is in Download Mode
Blinking Red	sACN cannot be generated because valid DMX is not being received
Solid Red	valid DMX is being received
Blinking Green	DMX output cannot be generated because valid sACN is not being received.
Solid Green	valid sACN is being received
LED off	the port is off