SYSTIMAX 360™ 1100 Evolve G2 Fiber Management Trough Instructions

General

The **SYSTIMAX 360™** 1100 Evolve G2 1U fiber management trough is 19 inches wide x 1.75 inches high (1RU) x 4.5 inches deep (483mm x 44mm x 114mm) and is used with the Evolve 1U panel (non-angled) in mixed-media applications. The trough is intended for indoor use but may be used outdoors in a suitable protective enclosure.

Ordering information is listed below:

Material ID	Part No.	Description
760175893	360 1100-E-G2-TK-1U	360 1100 Evolve G2 trough,1U

SYSTIMAX360 1100-E-G2-TK-1U

SYSTIMAX 360™ 1100 Evolve G2 Fiber Management Trough

Tools Required

- Philips head screwdriver

Parts List

Verify parts against the parts list below:

Quantity	Description
1	Trough assembly
1	Door assembly
2	Trough mounting brackets
4	12-24 x ½ inch mounting screws (1U kit only)
4	M6 mounting screws
2	Door retainers
3	Label hangers
1	Flip label holder
1	Instruction sheet

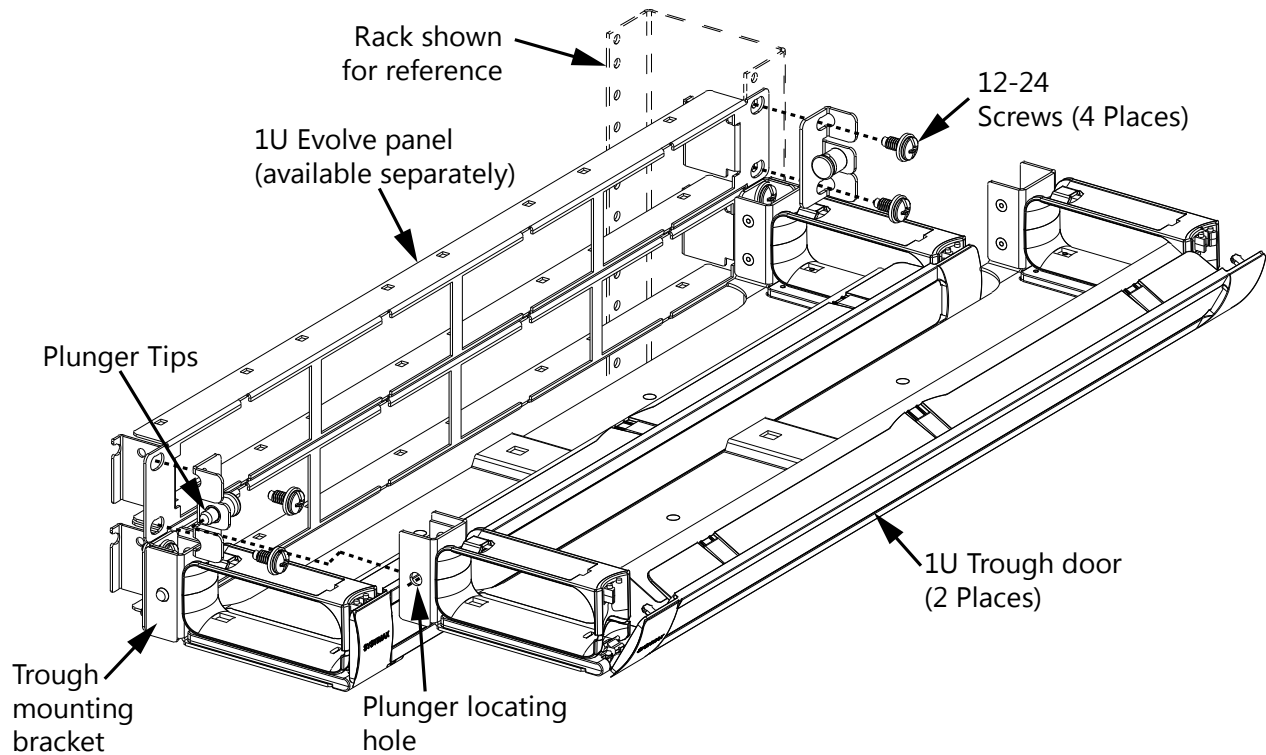## Available SYSTIMAX 360™ Evolve Flat Panels (For Use with Trough Kits)

Contact your **SYSTIMAX®** sales representative for the latest information on the wide variety of panels that are compatible with this product.

⚠ Important Safety Cautions

- To reduce the risk of fire, electric shock, and injury to persons, read, understand, and adhere to the following instructions as well as any warnings marked on the product.

- Remote risk of electric shock. Never install the product in wet locations or during lightning storms. Never touch uninsulated communication wires or terminals.

- Disconnected optical components may emit invisible optical radiation that can damage your eyes. Never look directly into an optical component that may have a laser coupled to it. Serious and permanent retinal damage is possible. If accidental exposure to laser radiation is suspected, consult a physician for an eye examination.

- Wear safety glasses to install the shelf. Although standard safety glasses provide no protection from potential optical radiation, they offer protection from accidental airborne hardware and cleaning solvents.

- Fiber optic trunk cable and jumper performance is sensitive to bending, pulling, and crushing. Minimum bend radius must be maintained during installation per the manufacturer's specification. Appropriate pulling socks must be used during installation, and pulling forces shall not exceed manufacturer's recommendations. MPO terminated trunk cables may use ribbonized fiber optic cable, which has a preferential bend axis. Use caution to avoid kinking trunk cables.

- Prior to installation, clean the trunk cable and jumper connectors per the manufacturer's recommendations.

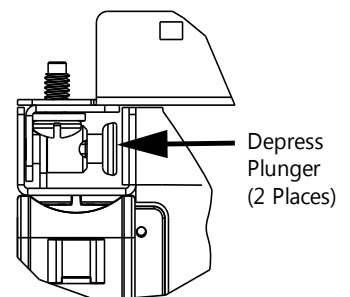## Step 1 – Install Evolve Panel

Install Evolve Panel and Trough

1. Mount panel to rack using the 12-24 mounting screws (provided with 1U trough).
   M6 screws are provided for use with metric racks.

2. Align trough mounting bracket with end of Evolve panel. Insert top captive rack mounting screw in trough mounting bracket through upper mounting slot of the 1U panel or insert a loose screw into trough mounting bracket through upper mounting slot on 1U panel.

3. Start screw into threads of holes in rack mounting rail.

4. Repeat at opposite side.

5. Perform similar steps at lower slot locations on trough mounting bracket.

6. Push trough mounting brackets outward on rail as far as possible and fully tighten all 4 screws.
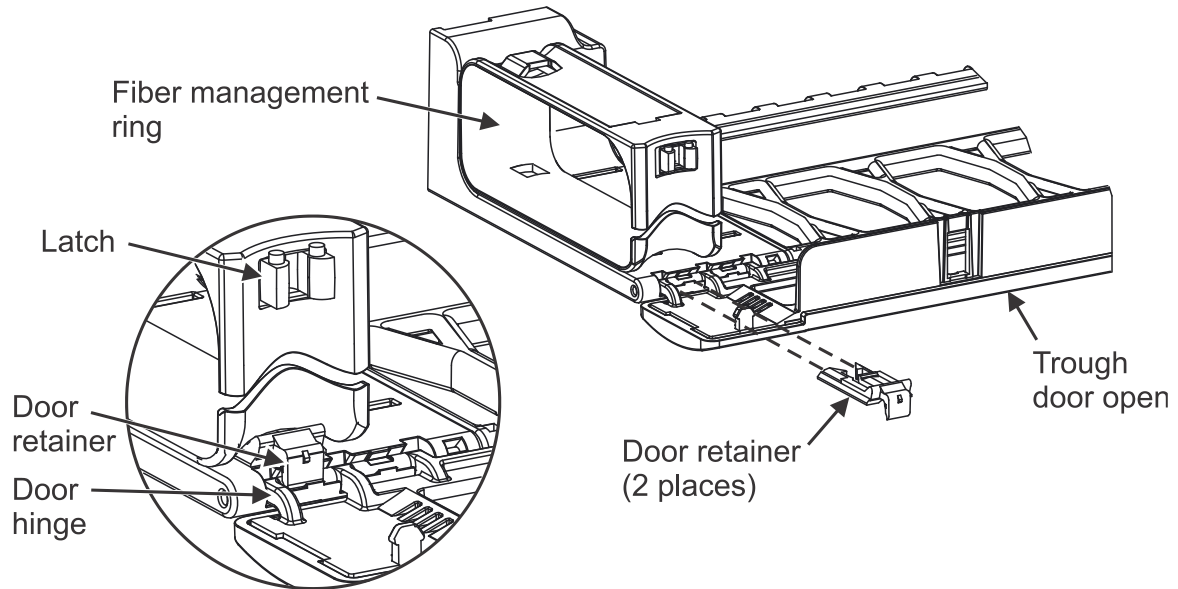
Step 2 – Install Evolve Trough

1. Each trough mounting bracket has plunger tips to be used for mounting the trough.
   1U trough has 1 per side.

2. Angled slightly, position trough to insert plunger tips into plunger locating holes on one side of trough end channel as shown above.

3. Move opposite end of trough toward panel until it hits plunger tips on remaining bracket.

4. Depress plunger tips with fingers until trough snaps into locked position.

5. Trough may be removed by depressing plunger tips on either side of assembly.

Step 3 – Install Evolve Trough Door

The door retainer is available to update existing 360G2 shelves up to the current functionality of the fiber management trough.
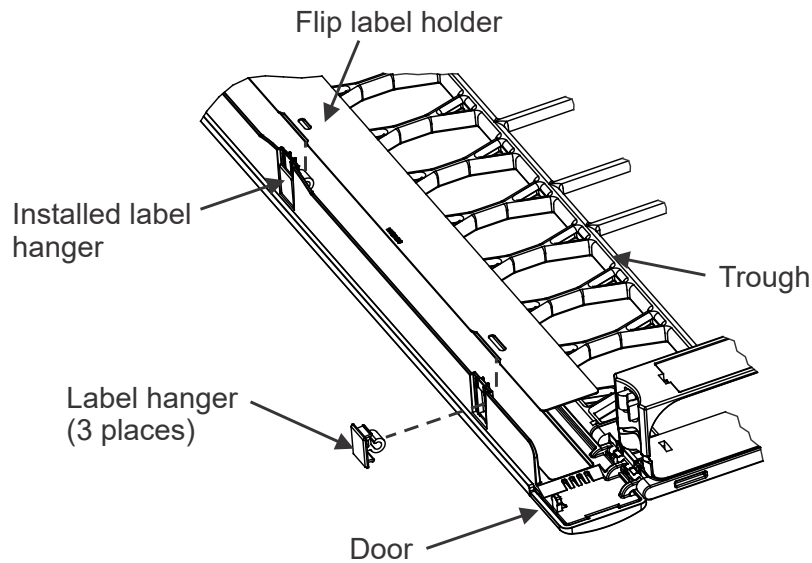

Note: Trough shown is representative, actual part may vary.

Note: Door retainer can be installed without removing fiber cables.

1. Remove door from protective wrapping.

2. Orient the door retainer pins as shown and insert them into the space between the trough floor and hinge pin of trough door on each end of the trough. Don't seat retainers now. There will be space between retainer and trough to fit the door's hinge pin into space.

    Note: If retainer is pushed in before hinge placement, use a small flat blade screwdriver to pry it out from top, opening space to insert hinge.

3. With the door at a 45° angle to the patch cord trough, position the door's hinge tabs in the corresponding door retainer as shown. When door is positioned, slide door and retainer back to seated position as shown above.

4. Swing the door to the closed position, gently pressing the upper corners to latch the door until an audible click is heard.

5. To open the door, pull on both upper corners of door (opposite strikes) until the latches release (verified by an audible click).

6. When opened to a 45° position, the door may be removed from trough by pulling door upward on each end until hinge pins release from hinge sockets. Support the trough under the hinge when removing the door.

7. To re-install door, carefully place the door hinge pin between hinge socket and door retainer.
    Close door to secure door retainer in place as shown above.

8. Fully retract the shelf in the rack.

Step 4 – Install Designation Labels

Flip label holder

Installed label hanger

Trough

Label hanger (3 places)

Door

Install Flip Label Holder on Trough Door

1. Open trough door to 90°, orient the three provided label hangers as shown, and insert them into openings in rib on trough door.

2. Orient label holder perpendicular to label hangers with slots aligned with hangers. Insert edge of label holder into hangers so that slots slide over the hangers. The label holder should pivot on the hangers freely.

3. Apply labels on surface of flip label holder facing door to be seen when door is closed.

Note: Labels included with shelf may be used or printable label templates are available on the **CommScope** website, which can be used along with available label stock to create finished port numbering labels.

To print a designation label, go to http://www.commscope.com/Resources/Labeling-Templates and scroll down to the*360G2 Panels and Shelves* and select the appropriate label template.