

## **USER GUIDE**

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UG-M060 2024-11-25

### **Scorpion 2 Plate Fiber Patch Panel**

#### **Wall Mount, Small Footprint, Splicing and Patching up to 48 Fibers**

The RLH Scorpion 2 Plate Fiber Patch Panel is designed for fiber optic patching and splicing applications where wall or back board space is at a premium. It is designed to fit into small enclosures, the small footprint and door design allow the patch panel to be opened & closed without taking up additional backboard room for clearance.

The fiber patch panel has a large wrap around door for easy access, which is secured with flip latches. A built-in padlock hasp provides additional security if desired. It comes standard with fiber management spools, fiber splice trays with splice protection sleeves, distribution chart, cable mounting tiedowns, and Velcro® straps for securing splice trays and fiber cable. Self-sealing removable 1-1/4" grommets on the top and bottom of the enclosure, together with fiber strength member clamps, allow for safe entrance and exit of fiber optic cable. Wall mounting hardware is also included.

Adapter plates may be ordered separately or preinstalled and are available with ST, SC, FC, LC, MTRJ, UPC and APC style adapters. When ordered using our configuration matrix, the Adapter Plates and Splice on Fiber Pigtailed are preinstalled for convenience. This patch panel was designed and is made in the USA.

### **Key Features**

- Holds 2 LGX® adapter plates, blank adapter plates included
- Ready to patch or splice, splice trays and sleeves included
- Small Footprint, Fully encloses distribution fiber
- Self-sealing removable grommets (up to 1-1/4") on the top and bottom
- Hinged door with flip latches
- Includes 2 strain relief clamps for securing entry cable
- Adapter plates may be removed with fibers attached
- Includes hook and loop straps for easy and flexible fiber management
- Durable powder coated steel construction
- Multiple built in anchor points to secure fiber cable inside
- Holds ST, SC, FC, LC, MTRJ, UPC, APC style adapters
- Wall mounting hardware included
- Made in USA



Scorpion 2 Plate Fiber Patch Panel



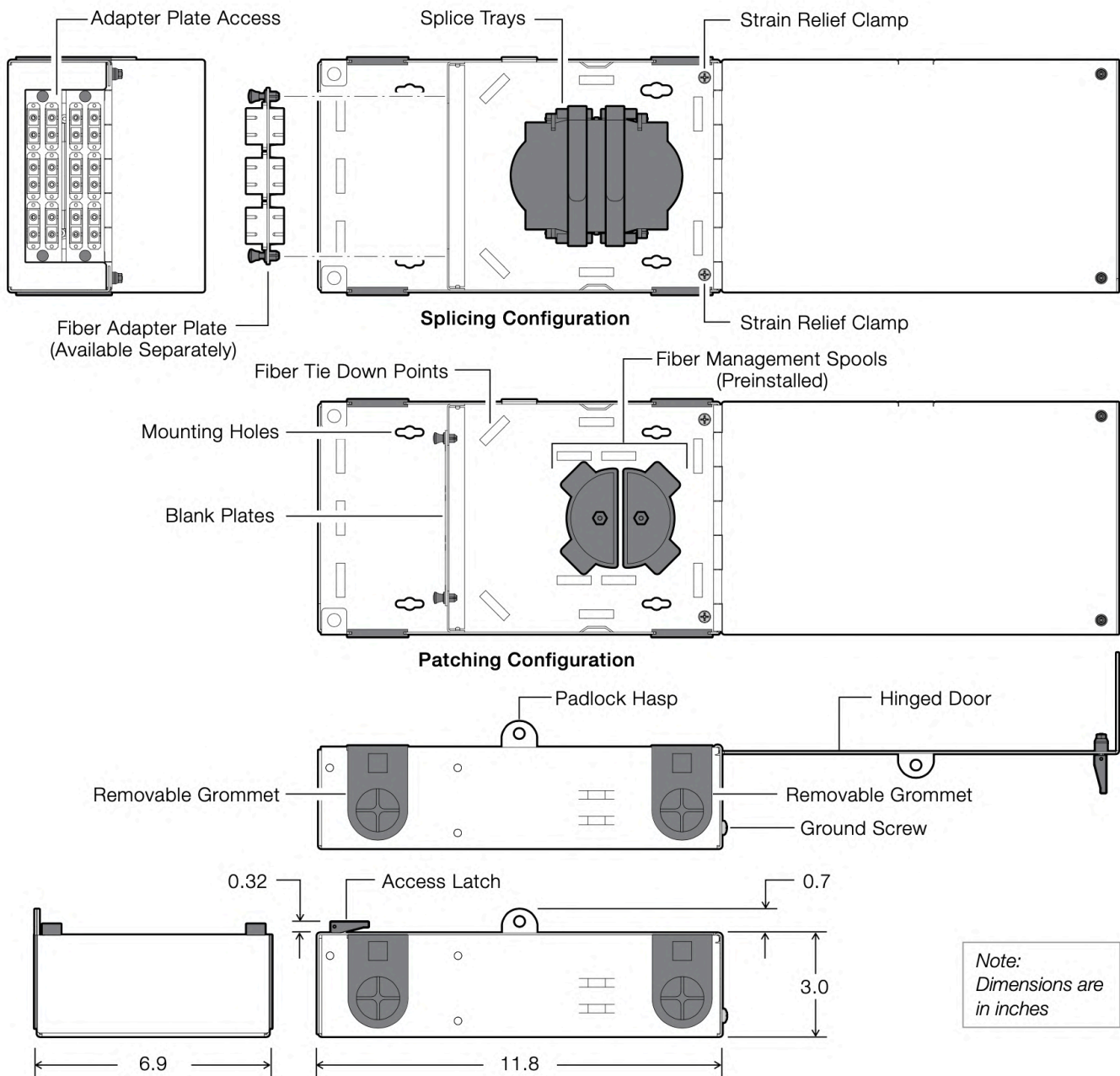
Accessory Kit

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### Dimensions & Components

The dimensional diagram below calls out important features of the Wall Mount Patch Panel.



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### **Installation**

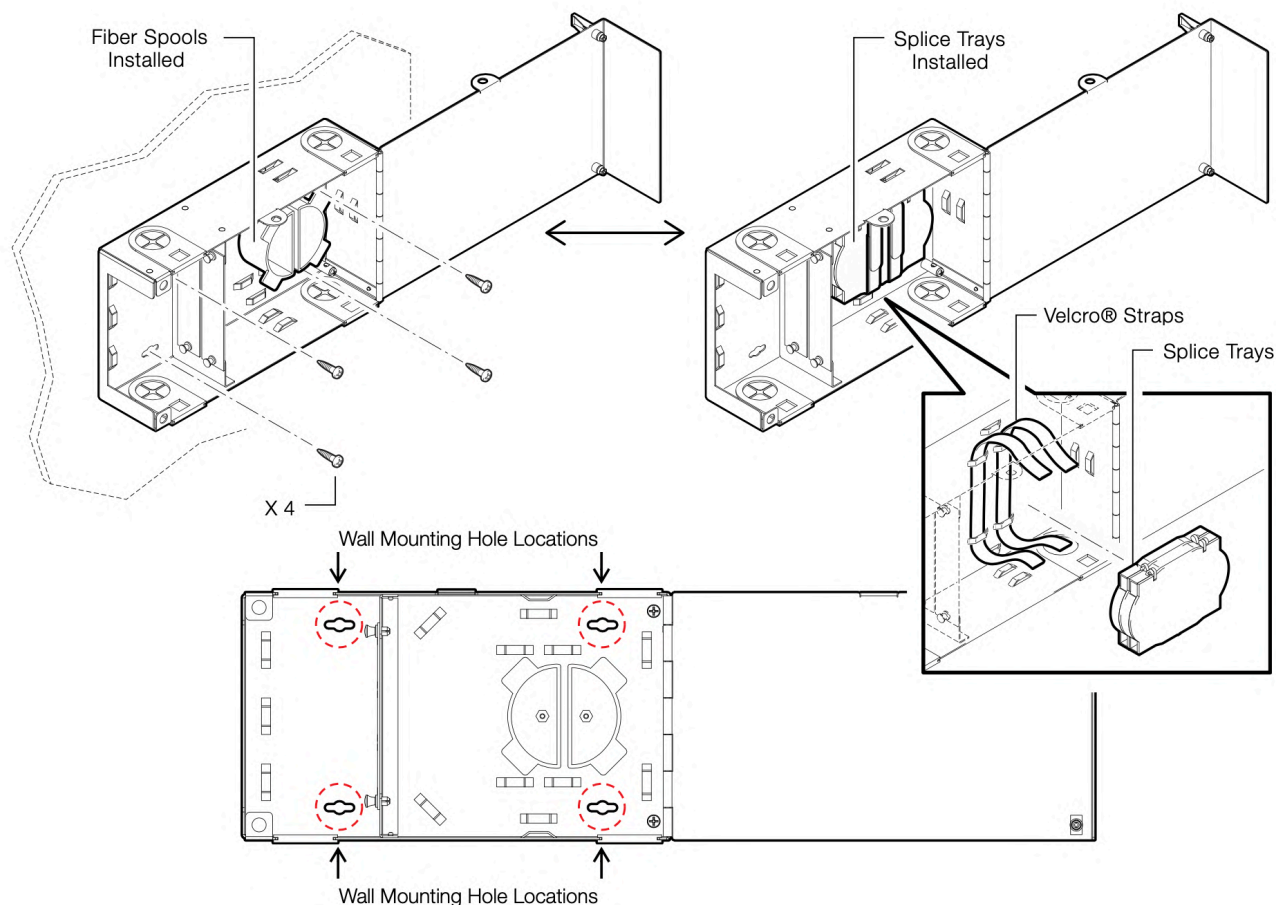
Choose a suitable location, with room for the door to open fully for easy access to the interior. Pre-position the patch panel to plan out cable routings and check for any potential problems with the location. The patch panel may be mounted in any orientation making it a flexible solution in the field.

#### **Before Installing**

Fiber management spools are preinstalled for accommodating fiber cable when used as a patching solution. When a splicing configuration is desired, remove the fiber management spools by loosening the attaching hardware before mounting. Once the spools are removed, the patch panel may be wall mounted. Secure the splice trays in position with the two (2) Velcro straps included in the accessory kit once splicing is completed.

#### **Wall Mounting**

Once the position is determined, mark out the mounting points and use the included 3/4" screws to mount the patch panel. For all other mounting applications, use appropriate mounting hardware as required.



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### Ordering Information

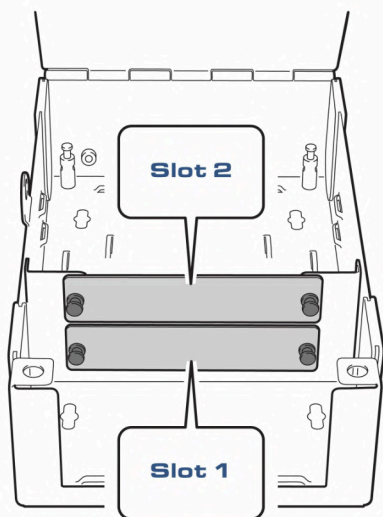
Use the following part number when ordering the patch panel without fiber adapter plates or pigtails.

Description	Capacity	Dimensions	Part Number
2 Plate Wall Mount Patch Panel	2 Fiber Adapter Plates	11.8" (W) x 3.7" (D) x 6.9" (H)	SCORP2-1

- Fiber Adapter Plates and fiber cable pigtails are ordered separately and may be preinstalled prior to shipping

### Ordering with Fiber Adapter Plates and Pigtails

Use the ordering code below to order the patch panel with fiber adapter plates and/or pigtails preinstalled. Refer to the Fiber Adapter Plate Chart and the Fiber Pigtail Chart on the following pages.



Example #1: **S2 - 32 - 32 - 41 - 41 - 1**

Slot 1 (32):	AP-SC6-LDSM-G
Slot 2 (32):	AP-SC6-LDSM-G
Slot 1 (41):	RLH-12SMSC-03M
Slot 2 (41):	RLH-12SMSC-03M

Example #2: **S2 - 08 - 08 - 00 - 00 - 1**

Slot 1 (08):	AP-ST12-LSMM-G
Slot 2 (08):	AP-ST12-LSMM-G
Slot 1 (00):	None
Slot 2 (00):	None

S2 - XX - XX - XX - XX - 1

Slot 1   Slot 2   Slot 1   Slot 2

#### Fiber Adapter Plates

Use the code from the Adapter Plate Chart\* to populate slots with adapter plates

**– Splice Tray & Sleeves  
Included with Patch Panel –**

#### Fiber Pigtails

Use the code from the Fiber Pigtail Chart\* to have them preinstalled into adapter plates

\*Please refer to the **Fiber Adapter Plate Chart** and the **Fiber Pigtail Chart** on the following pages.

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### Ordering Information (cont'd)

#### Adapter Plate Chart

Use the Adapter Code to specify the desired plate style to be preinstalled.

Adapter Plate Style						Supported Fiber Types	Grey Plate Part Number	Adapter Code
Adapter	Mode	Type	Fibers	Positions	Color			
Blank	—	—	—	—	—	—	AP-BLANK-G	00
ST	SM	Simplex	6	6	Yellow Caps	OS1/OS2	AP-ST6-LSSM-G	01
			12	12	Yellow Caps	OS1/OS2	AP-ST12-LSSM-G	03
	MM	Simplex	6	6	Black Caps	OM1~OM4	AP-ST6-LSMM-G	06
			12	12	Black Caps	OM1~OM4	AP-ST12-LSMM-G	08
FC	SM	Simplex	6	6	Yellow Caps	OS1/OS2	AP-FC6-LSSM-G	20
	MM	Simplex	6	6	Black Caps	OM1/OM2	AP-FC6-LSMM-G	23
FC/APC	SM	Simplex	6	6	Green Caps	OS1/OS2	AP-FA6-LSSM-G	26
SC	SM	Simplex	6	6	■ blue	OS1/OS2	AP-SC6-LSSM-G	30
		Duplex	12	6	■ blue	OS1/OS2	AP-SC6-LDSM-G	32
	MM	Simplex	6	6	■ beige	OM1/OM2	AP-SC6-LSMM-G	33
		Duplex	12	6	■ beige	OM1/OM2	AP-SC6-LDMM-G	35
SC/APC	SM	Simplex	6	6	■ green	OS1/OS2	AP-SA6-LSSM-G	36
		Duplex	12	6	■ green	OS1/OS2	AP-SA6-LDSM-G	38
SC 10G	MM	Simplex	6	6	■ aqua	OM3/OM4	AP-SC6-LSMX-G	39
		Duplex	12	6	■ aqua	OM3/OM4	AP-SC6-LDMX-G	41
LC	SM	Duplex	6	3	■ blue	OS1/OS2	AP-LC3-LDSM-G	51
			12	6	■ blue	OS1/OS2	AP-LC6-LDSM-G	52
		Quad	24	6	■ blue	OS1/OS2	AP-LC6-LQSM-G	54
	MM	Duplex	6	3	■ beige	OM1/OM2	AP-LC3-LDMM-G	56
			12	6	■ beige	OM1/OM2	AP-LC6-LDMM-G	57
		Quad	24	6	■ beige	OM1/OM2	AP-LC6-LQMM-G	59
LC/APC	SM	Duplex	6	3	■ green	OS1/OS2	AP-LA3-LDSM-G	61
			12	6	■ green	OS1/OS2	AP-LA6-LDSM-G	62
		Quad	24	6	■ green	OS1/OS2	AP-LA6-LQSM-G	64
LC 10 GIG	MM	Duplex	6	3	■ aqua	OM3/OM4	AP-LC3-LDMX-G	66
			12	6	■ aqua	OM3/OM4	AP-LC6-LDMX-G	67
		Quad	24	6	■ aqua	OM3/OM4	AP-LC6-LQMX-G	69
CAT6 RJ-45	—	Coupler	-	4	-	-	AP-RJCAT6-CP4-G	90
		Punchdown	-	4	-	-	AP-RJCAT6-PD4-G	91

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### Ordering Information (cont'd)

#### Fiber Pigtail Chart

Use the Pigtail Code to specify the desired 900µm Spiral Wrap Splice-on Fiber Pigtail to be preinstalled.

900µm Spiral Wrap Splice-on Pigtail				Part Number	Pigtail Code
Adapter	Mode	Fibers	Fiber Type		
N/A	N/A	N/A	N/A	NONE	00
ST	SM	6	OS1/OS2	RLH-06SMST-03M	01
		12	OS1/OS2	RLH-12SMST-03M	02
	MM	6	OM1	RLH-06MMST-03M	06
			OM2	RLH-06M5ST-03M	07
			OM3	RLH-06MXST-03M	08
			OM4	RLH-06MCST-03M	09
		12	OM1	RLH-12MMST-03M	12
			OM2	RLH-12M5ST-03M	13
			OM3	RLH-12MXST-03M	14
			OM4	RLH-12MCST-03M	15
	SM	6	OS1/OS2	RLH-06SMFC-03M	20
		12	OS1/OS2	RLH-12SMFC-03M	21
	MM	6	OM1	RLH-06MMFC-03M	23
			OM2	RLH-06M5FC-03M	24
			OM3	RLH-06MXFC-03M	25
			OM4	RLH-06MCFC-03M	26
		12	OM1	RLH-12MMFC-03M	28
			OM2	RLH-12M5FC-03M	29
			OM3	RLH-12MXFC-03M	30
			OM4	RLH-12MCFC-03M	31
FC/APC	SM	6	OS1/OS2	RLH-06SMFA-03M	33
		12	OS1/OS2	RLH-12SMFA-03M	34
SC	SM	6	OS1/OS2	RLH-06SMSC-03M	40
		12	OS1/OS2	RLH-12SMSC-03M	41
	MM	6	OM1	RLH-06MMSC-03M	43
			OM2	RLH-06M5SC-03M	44
			OM3	RLH-06MXSC-03M	45
			OM4	RLH-06MCSC-03M	46
		12	OM1	RLH-12MMSC-03M	48
			OM2	RLH-12M5SC-03M	49
			OM3	RLH-12MXSC-03M	50
			OM4	RLH-12MCSC-03M	51
SC/APC	SM	6	OS1/OS2	RLH-06SMSA-03M	53
		12	OS1/OS2	RLH-12SMSA-03M	54
LC	SM	6	OS1/OS2	RLH-06SMLC-03M	60
		12	OS1/OS2	RLH-12SMLC-03M	61
	MM	24	OS1/OS2	RLH-12SMLC-03M (2)	62
		6	OM1	RLH-06MMLC-03M	63
			OM2	RLH-06M5LC-03M	64
			OM3	RLH-06MXLC-03M	65
			OM4	RLH-06MCLC-03M	66
		12	OM1	RLH-12MMLC-03M	68
			OM2	RLH-12M5LC-03M	69
			OM3	RLH-12MXLC-03M	70
			OM4	RLH-12MCLC-03M	71
		24	OM1	RLH-12MMLC-03M (2)	73
			OM2	RLH-12M5LC-03M (2)	74
			OM3	RLH-12MXLC-03M (2)	75
			OM4	RLH-12MCLC-03M (2)	76
LC/APC	SM	6	OS1/OS2	RLH-06SMLA-03M	78
		12	OS1/OS2	RLH-12SMLA-03M	79
		24	OS1/OS2	RLH-12SMLA-03M (2)	80

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### Key Specifications

<b>Adapter Plates:</b>	Holds 2 LGX® plates Up to 24 Fibers each plate *Ordered Separately
<b>Mounting Style:</b>	Wall or panel mount
<b>Environmental:</b>	Indoor or inside weatherproof enclosure
<b>Construction:</b>	Powder coated steel, hinged door with padlock hasp and flip latches
<b>Accessory Kit:</b>	Qty. 2 – Splice trays, 12 position Qty. 30 – Splice sleeves Qty. 2 – 12" x 1/2" Velcro® straps for securing Splice Trays Qty. 6 – 5" x 1/2" Velcro® straps for securing fiber Qty. 10 – Cable ties Qty. 1 – Distribution chart label, 24 fiber Qty. 4 – #10 x 3/4" Mounting screws and washers
<b>Dimensions:</b>	11.8" (W) x 6.9" (D) x 3.7" (H), (300mm x 175mm x 94mm)

### Contact

By Mail:	Att: Sales RLH Industries, Inc. 936 N. Main St. Orange, CA 92867	
By Phone: Sales / Service Mon - Fri, 6am - 6pm, PST	Local	714-532-1672
	Toll Free	800-877-1672 866-DO-FIBER
By Email:	<a href="mailto:info@fiberopticlink.com">info@fiberopticlink.com</a>	
By FAX:	714-532-1885	

### Tech Support

By Email:	<a href="mailto:support@fiberopticlink.com">support@fiberopticlink.com</a>	
By Phone:	Toll Free	855-754-2497 855-RLH-24X7