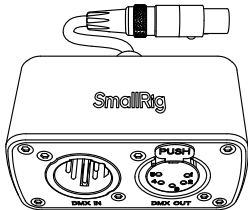


# SmallRig



## DMX Adapter

User Manual

In order to ensure user's safety and prevent the product damages caused by any improper use, please carefully read the "Warnings" below and properly keep this User Manual for future reference.

## Foreword

Thank you for choosing SmallRig DMX adapter. This product only supports SmallRig RC 350 / 450 series products for the time being.

## Warnings

- Please read this User Manual carefully.
- Please keep the User Manual properly, and be sure to attach this User Manual when handing over the product to others.
- Please heed all warnings and follow all instructions in the owner's manual.
- Close supervision is necessary when any fixture is used by or near children. Do not leave the fixture unattended while in use.
- To reduce the risk of electric shock, do not immerse this fixture in water or any other liquids.
- To reduce the risk of fire or electric shock, do not disassemble this fixture. Contact [smallrig@smallrig.com](mailto:smallrig@smallrig.com) or take it to qualified service personnel when service or repair work is required.
- Please have the product checked by an authorized service personnel agent if your product has a problem.

- The malfunctions caused by unauthorized disassembly are not covered under the warranty.
- This product is certified by RoHS, CE, and FCC. Please operate the product in full compliance with the operation standards. Please note that this warranty does not apply to repairs arising from malfunctions, although you may request such repairs on a chargeable basis.
- The instructions and information in this manual are based on thorough, controlled company testing procedures. Further notice will not be given if the design or specifications change.

### **FCC Compliance Statement**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet in a different circuit than the receiver is connected to.
- Consult the dealer or an experienced radio / TV technician for help.

### **RF Warning Statement**

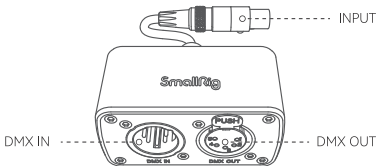
This device has been evaluated to meet general RF exposure requirements.

## In the Box

DMX Adapter     × 1

User Manual     × 1

## Product Details

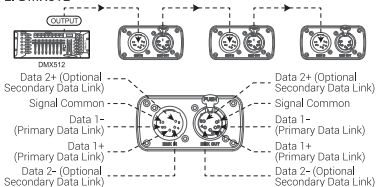


# Installations

## 1. DMX Mode

- 1.1 Long press the FX button for 3s to DMX mode, another 3s to exit the DMX mode.
- 1.2 DMX channel set up, Use the INT knob to switch the channel (1-512) and it will be showed on the display.

## 2. DMX512



- 2.1 In order to reduce signal errors and avoid signal weakening and interference during transmission, a 120Ω 1/2W resistor can be added between the 2 and 3 PIN of the DMX output of the last light.

- 2.2 Connect the light with the XLR signal cable, one end to the output and the other end to the input. XLR signal cables can only be used in series, not in parallel. Signal line damage, welding weakness or poor contact will affect signal transmission, resulting in system closure.
- 2.3 Each light must have a channel that can receive information from the controller, ranging from 1 to 512.
- 2.4 5-PIN XLR: PIN 1- GND, PIN 2 - Negative Signal, PIN 3 - Positive Signal, PIN4 / PIN5- Unused.

## Channel

RC 350D / RC 450D Channel

Channel	Value	Function	
1	0-20	INT	Turn Off
	21-218		1%-99%
	219-255		100%
2	0-24	FX	Normal
	25-49		Paparazzi
	50-74		Fireworks
	75-99		Lightning
	100-124		Faulty Bulb
	125-149		TV
	150-174		Breath
	175-199		Flash
	200-224		Party
	225-255		Flame

3	0-26	FREQ	1
	27-51		2
	52-76		3
	77-101		4
	102-126		5
	127-151		6
	152-176		7
	177-201		8
	202-226		9
	227-255		10

### RC 350B / RC 450B Channel

Channel	Value	Function	
1	0-20	INT	Turn Off
	21-218		1%-99%
	219-255		100%
2	0-16	CCT	2700K
	17-22		2800K
	23-28		2900K
	29-34		3000K
	35-40		3100K
	41-46		3200K
	47-52		3300K
	53-58		3400K
	59-64		3500K
	65-70		3600K
	71-76		3700K



2

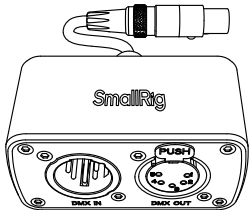
77-82
83-88
89-94
95-100
101-106
107-112
113-118
119-124
125-130
131-136
137-142
143-148
149-154
155-160
161-166
167-172
173-178
179-184
185-190
191-196
197-202
203-208
209-214
215-220
221-226
227-232
233-238
239-255

CCT

3800K
3900K
4000K
4100K
4200K
4300K
4400K
4500K
4600K
4700K
4800K
4900K
5000K
5100K
5200K
5300K
5400K
5500K
5600K
5700K
5800K
5900K
6000K
6100K
6200K
6300K
6400K
6500K

3	0-24	FX	Normal
	25-49		Paparazzi
	50-74		Fireworks
	75-99		Lightning
	100-124		Faulty Bulb
	125-149		TV
	150-174		Breath
	175-199		Flash
	200-224		Party
	225-255		Flame
4	0-26	FREQ	1
	27-51		2
	52-76		3
	77-101		4
	102-126		5
	127-151		6
	152-176		7
	177-201		8
	202-226		9
	227-255		10

# SmallRig



## DMX 转接器

用户手册

为了保障使用者的安全以及防止不当使用导致产品损坏，请在使用前仔细阅读本手册的“重要提示”，并妥善保管好手册资料，以备随时查阅。

## 前言

感谢您购买SmallRig DMX 转接器，本产品暂时仅支持 SmallRig RC 350 / 450系列产品使用。

## 重要提示

- 使用本产品之前，请仔细阅读用户手册。
- 请妥善保管用户手册，将产品交给他人使用时，请务必附带本用户手册。
- 请注意所有警告提示并遵循使用用户手册内的所有指令。
- 当儿童靠近设备或使用设备时，必须进行密切监督。在使用设备时，请勿将设备置于无人看管状态。
- 为降低电击风险，请勿将本产品浸入水中或其他液体中。
- 为降低电击风险，请勿私自拆卸本产品，在需要维修时，将其交给专业的维修人员。不正确的重装可能会在后续使用设备时

引起电击。

- 需要维修时请联系授权的维修人员。本设备内有精密电子线路。未经许可，擅自拆卸导致故障，不在本公司保修范围内，但用户可以付费维修。
- 本产品已通过CE RoHS FCC等认证。请参考相关国家标准使用和操作。因操作不当而造成机器损坏，不在保修范围内，但用户可以付费维修。
- 此使用指南依据本公司严格测试制定。设计和规格如有变更，恕不另行通知。

## **FCC 符合声明**

此设备符合FCC规则第15部分中的规范。操作设备须符合以下两个条件：

- (1) 此设备不会导致有害干扰；
- (2) 此设备可承受任何外来干扰，包括可能导致非预期操作的干扰。

**【警告】** 如果用户未经SmallRig明确许可而进行改动或改装，可能会丧失继续操作该设备的权利。

**【注】** 此设备经测试确定符合B类数码设备（依照FCC规则第15部分规范）的限制。这些限制的设计旨在为居住场所安装条件下的有害干扰提供合理的保护。此设备生成、使用并可以发射射频能量。如果未按照指示安装和使用，可能对无线电通信造成有害干扰。但是，在特定安装条件下，不保证这类干扰不会发生。如果此设备确实对无线电或电视机接收信号造成有害干扰，而这点可以通过关闭和打开设备来确定，那么建议用户尝试使用以下一种或多种措施来消除干扰：

- 扩大设备与接收器之间的距离。
- 将设备连接到其他电路的插座中，而不是接收器所连接电路的插座。
- 咨询经销商或有经验的无线电/电视机技术人员以获得帮助。

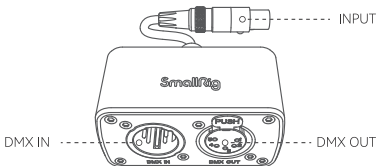
## **FCC 辐射暴露声明**

本设备符合FCC针对未受控制环境所制定的辐射暴露限制。

## 包装清单

- DMX 转接器 × 1
- 用户手册 × 1

## 产品视图



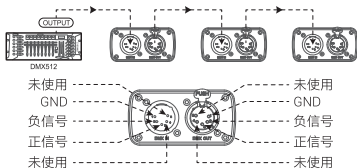
# 操作

## 1. DMX功能

1.1 选择DMX功能：长按FX按键3S，进入DMX模式，再长按FX按键3S退出DMX模式。

1.2 DMX 地址码设置：使用INT旋钮设置此灯具的DMX 地址码（1-512）并保存，显示屏会显示当前DMX地址码。

## 2. DMX512连接



2.1 为了减少信号错误，避免传输过程中信号减弱和干扰，可以在最后一台机器的 DMX 输出端的 2 芯和 3 芯之间加一个  $120\Omega$  1/2W 的电阻。



- 2.2 用 XLR 信号线连接灯具，一端接到灯具的输出口，另一端接到下一个灯具的输入口。XLR信号线只能用于串联，不可以并联。DMX512 信号传输速度很快。信号线损坏，焊接处不牢，接触不好等，都会影响信号传输，致使系统关闭。
- 2.3 每盏灯都要有一个地址码，能够接收控制台发出的信息，范围在 1-512 之间。
- 2.4 5芯XLR：PIN 1: GND, PIN 2: 负信号, PIN 3: 正信号, PIN4/PIN5: 未使用。

## 通道表

RC 350D / RC 450D通道表

通道	通道值	功能	
1	0-20	亮度	灭灯
	21-218		1%-99%
	219-255		100%
2	0-24	光效	标准
	25-49		狗仔队
	50-74		烟花
	75-99		闪电
	100-124		故障灯泡
	125-149		电视
	150-174		呼吸
	175-199		闪光灯
	200-224		派对
	225-255		火焰

3	0-26	频率	1
	27-51		2
	52-76		3
	77-101		4
	102-126		5
	127-151		6
	152-176		7
	177-201		8
	202-226		9
	227-255		10

RC 350B / RC 450B通道表

通道	通道值	功能	
1	0-20	亮度	灭灯
	21-218		1%-99%
	219-255		100%
2	0-16	色温	2700K
	17-22		2800K
	23-28		2900K
	29-34		3000K
	35-40		3100K
	41-46		3200K
	47-52		3300K
	53-58		3400K
	59-64		3500K
	65-70		3600K
71-76	3700K		

2

77-82
83-88
89-94
95-100
101-106
107-112
113-118
119-124
125-130
131-136
137-142
143-148
149-154
155-160
161-166
167-172
173-178
179-184
185-190
191-196
197-202
203-208
209-214
215-220
221-226
227-232
233-238
239-255

色温

3800K
3900K
4000K
4100K
4200K
4300K
4400K
4500K
4600K
4700K
4800K
4900K
5000K
5100K
5200K
5300K
5400K
5500K
5600K
5700K
5800K
5900K
6000K
6100K
6200K
6300K
6400K
6500K

3	0-24	光效	标准
	25-49		狗仔队
	50-74		烟花
	75-99		闪电
	100-124		故障灯泡
	125-149		电视
	150-174		呼吸
	175-199		闪光灯
	200-224		派对
	225-255		火焰
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	77-101		4
	102-126		5
	127-151		6
	152-176		7
	177-201		8
	202-226		9
	227-255		10