

COBRA Cure FX2

Configuration 1

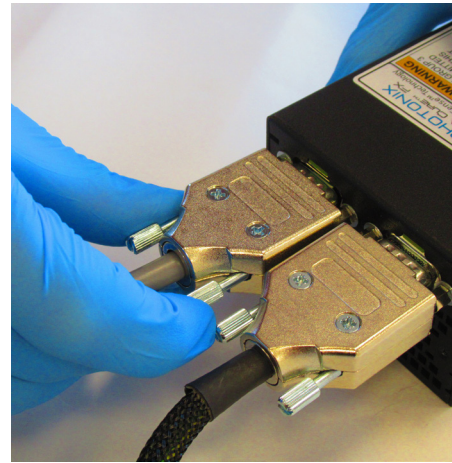
Quick Start Manual



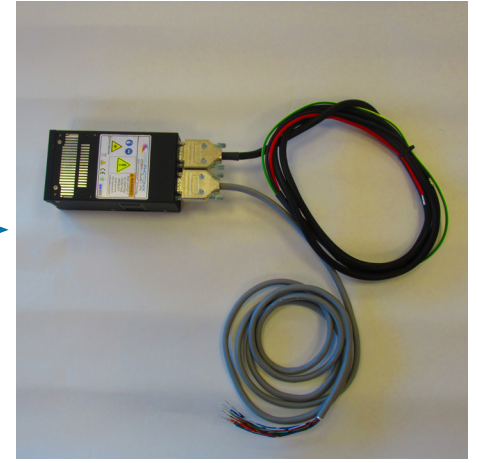
Step 1



Step 2



Step 3



Step 4

COBRA Cure FX2
Configuration 2

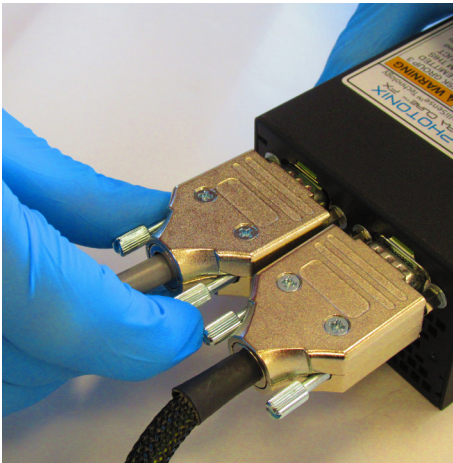
Quick Start Manual



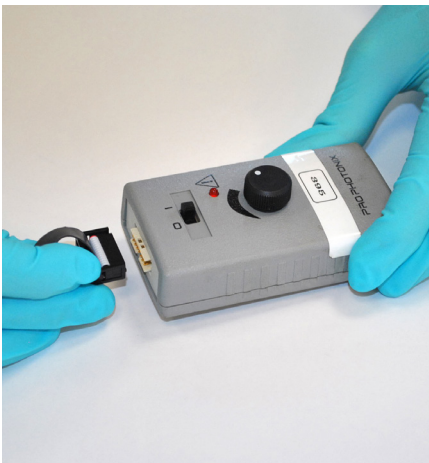
Step 1



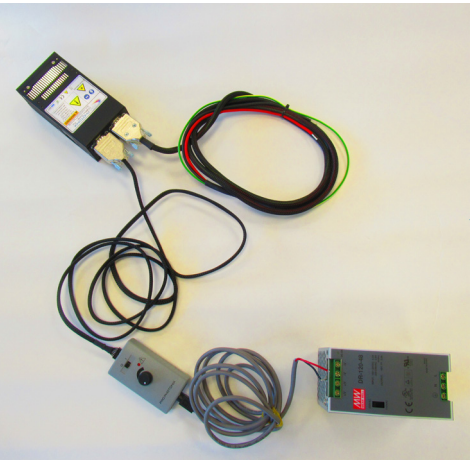
Step 2



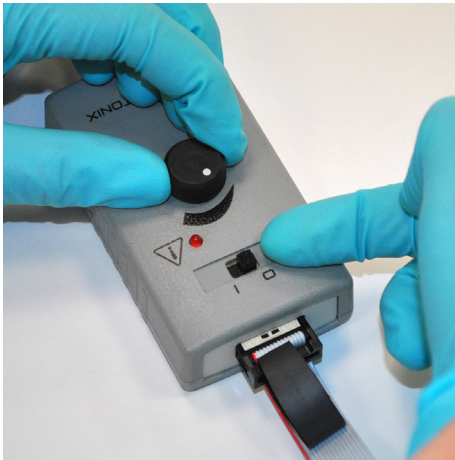
Step 3



Step 4



Step 8



Step 7



Step 6



Step 5

COBRA Cure FX2
Configuration 3

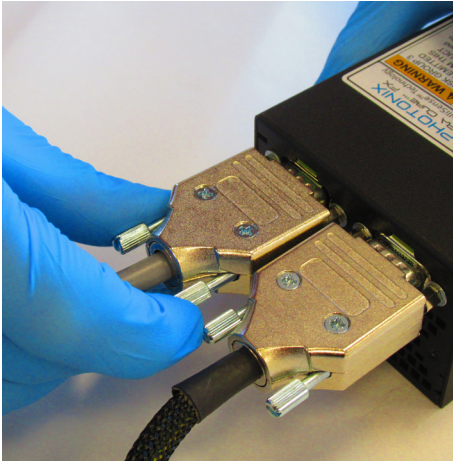
Quick Start Manual



Step 1



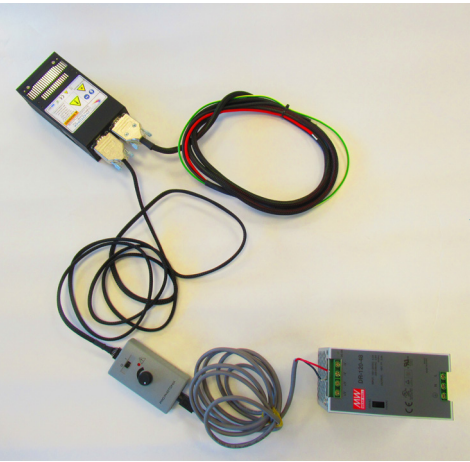
Step 2



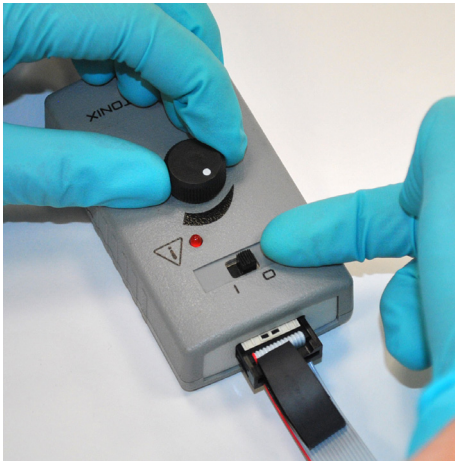
Step 3



Step 4



Step 8



Step 7



Step 6



Step 5

Electrical

Pin	Function	Type	Detailed Function Description
1	Do Not Use		Do Not Use
2	Input power	Input 0.5V to +10.0V Zin=100kΩ	Sets LED Lamp intensity where 1.0V = 10% and 10V = 100% . A minimum voltage of 1.0V is required. If the user inputs a voltage below 0.5V, the intensity defaults to 5%. Connect directly to Pin 6 for constant 100% intensity. Do not use pin 6 for any other purpose. Input is ignored when LED Lamp is under RS485 control.
3	Enable High	Input 0.0V or +24.0V Zin=125kΩ	PLC Compatible Logic Input: 0.0V to +6V = OFF (Open input will default to OFF) +16V to +24V = ON Input is ignored when LED Lamp is under RS485 control.
4	Do not use		Do not use
5	Lamp Ready	Output 0V or +24V Zout=1.3kΩ	PLC Compatible Logic: 0.0V to +6V (ground) = Not Ready +16V to +24V (open) = Lamp Ready Sink Current Maximum = 6mA. Connect only to high impedance input.
6	Do not use		Do not use
7	Interlock	Input 0.0V or +24V Zin=20kΩ	For use with external customer defined interlock circuit, if no interlock is present, connect Pin 7 to Ground. If interlock circuit is present, connect interlock to Pin 7 only. PLC Compatible Logic Input: 0.0V to +6V = UV Emission Allowed +16V to +24V = UV Emission Stopped (Open input will default to UV Emission Stopped) Connect to Pin 7 to Ground if no interlock is used.
8 9 10 14		Ground	Ground
11	Do Not Use		Do Not Use
12	RS485	Serial -	Access to LED Lamp configuration and log via RS485.
13	RS485	Serial +	Access to LED Lamp configuration and log via RS485.
15	Temperature Monitor	Output 0V to +10.5V	The maximum temperature between the PCB and LED substrate is measured and the output is a voltage proportional to the maximum temperature.

Safety

Warning: This product is a high power UV source classed in the Risk Group 3 as per IEC62471.

Risk Group 3 – High Risk. May pose a hazard even for momentary or brief exposure. Avoid eye and skin exposure to unshielded product.

Warning: DO NOT LOOK DIRECTLY AT THE UV LIGHT SOURCE. ALWAYS WEAR GOGGLES WHEN USING THIS PRODUCT.

Ensure the machine cannot operate without protective shielding in place.

Warning Labels

Below are the contents of warning labels that must be affixed to COBRA Cure™ FX2 Lamp devices.

UV Safety Standards

ANSI Risk Group 3

IEC Class

3B

Warning: UV radiation emitted from this lamp. Skin or eye damage could result. Avoid exposure of eyes and skin to unshielded lamp.



Symbol	Description
	Obey all safety messages that follow this symbol to avoid possible injury or death
	Warning indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury
	Wear protective gloves and use appropriate shielding
	Wear approved ultraviolet resistant eyewear and use appropriate shielding
	ULTRAVIOLET LIGHT hazard
	Hot surface hazard
	Must not be disposed of in the trash