SMART POWER™

APOLLO
DESIGN™

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Introduction

Since 1992, Apollo Design Technology, Inc. has been one of the world's leading innovators, manufacturers and distributors of gobos, color filters, lights and related equipment and accessories for the lighting industry.

We are continually engineering new products to help you create and execute the designs of your dreams for theaters, bands, advertising, touring companies, television, motion pictures, museums, retail and architecture.

Apollo Design is recognized for creating innovative and award-winning products of superior quality and value. Focused on you, our goal is to ensure unparalleled support from the initial conversation to after sales service.

Our lighting experts and engineers will consult with you on ways to use our standard products or engineer custom solutions. Allow your imagination to run free. Let the Apollo Design team help you create the lighting design you only imagined. **There is virtually no limit to what we can do together.**

Joel Nichols, Owner/CEO
Apollo Design Technology

Product Description

Congratulations on the purchase of your new Smart Power™ power supply.

The Smart Power™ features affordable, versatile, dependable power to meet your needs. The power supply is compatible with the majority of color scrollers, gobo rotators and other accessory devices. Smart Power™ is proudly built in the USA and tested against strict standards to ensure trouble-free installation and smooth operation.

Safety Information

CAUTION! This symbol designates an item that will cause damage to the Smart Power if ignored.

WARNING! This symbol designates an item that could cause injury or death if ignored.

CAUTION! For continued protection against risk of fire, replace only with same type and rating of fuse.

ATTENTION! Pour ne pas compromettre la protection contre les risqués d'incendie, remplacer par un fusible de mêmes caractéristiques nominales.

- The Smart Power™ is designed for indoor applications and should not be exposed to moisture.

- If the AC cord is intended to serve as the disconnect device, the socket-outlet must be installed near the equipment and shall be easily accessible.

- For a permanently connected install the device must have a readily available disconnect.

- Protection against electric shock is assured only if the mains connected power supply cord set is connected to a properly earthed grounding type receptacle.

- There is a risk of fire, shock or injury if the Smart Power™ is not used as specified.

- Servicing the Smart Power™ should be undertaken by qualified personnel only.

- The Smart Power™ is not intended for residential use.

- Safety cables must be used when installing the Smart Power™ in overhead positions. Apollo is not responsible for damage or injury resulting from improper use of safety cables.

Quick Start

Connect DMX source to the 5-pin XLR DMX IN on an Apollo Smart Power™ supply. Use the DMX OUT to connect additional DMX devices.
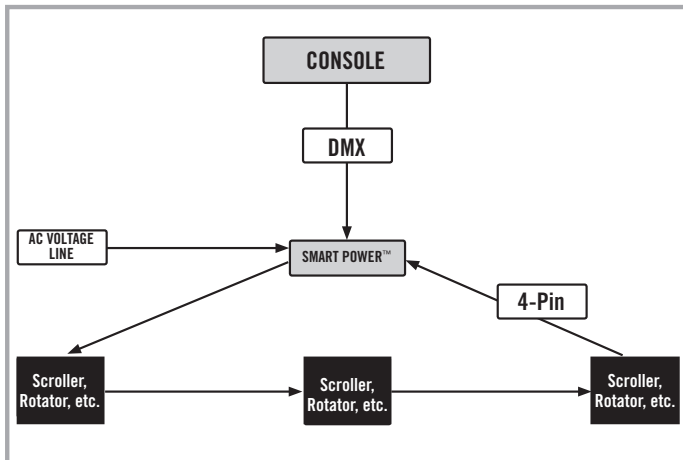
Connect a complete loop of 4-pin cable in the following sequence:

• Connect Apollo 4-pin XLR cable from the OUTPUT to the first Smart Color® scroller, Apollo Smart Move® rotator or other compatible device.

• Use a return cable to connect the last Smart Color® scroller, Apollo Smart Move® rotator or other compatible device back to the power supply. Insert this return cable in to RETURN. System instability may occur if the return cable is not used.

• Smart Power™ 400 - a loop originating on CIRCUIT 1 must return to CIRCUIT 1. A loop originating on CIRCUIT 2 must return to CIRCUIT 2.

Connect AC line supply to the receptacle on the back of the Smart Power™.

• The Smart Power™ must be installed near an outlet that is near the unit and is easily accessible.

• The Smart Power™ can be used on line voltages from 100 – 120V or 200 – 240V AC, 50/60 hertz.

The Smart Power™ is intended for stationary installation. The Smart Power™ must be hung using the provided handle or rack mounted using the accessory rack mount kit.

Quick Start Continued

On any one loop (circuit), do not exceed:

• 7 Smart Color® PRO scrollers

• 13 Smart Move® rotators

Do not exceed more than 200 Watts on CIRCUIT 1
or CIRCUIT 2 (400W model).

Do NOT not plug Smart Power™ supplies into dimmed sources!
Severe damage will occur which is not covered by the warranty

Status LEDs:

• A red LED indicates power.

• A green LED indicates DMX.

Cable Specifications

Use only Apollo cable or other approved cable. Approved cable should have two conductors of 14 AWG wire for power and two shielded and twisted conductors of 22 AWG wire for data.

Pin "OUT" for the 4-pin connector:

• Pin 1 = 24 volts DC Ground (-)

• Pin 2 = DMX data (-)
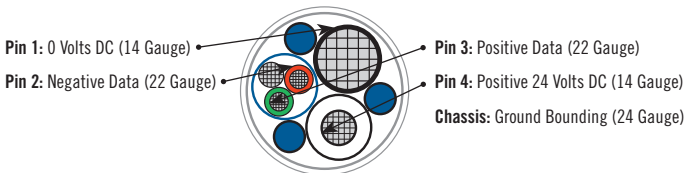
• Pin 3 = DMX data (+)

• Pin 4 = 24 volts DC (+)

Pin "OUT" for the 5-pin connector:

• Pin 1 = Shield

• Pin 2 = DMX data (-)

• Pin 3 = DMX data (+)

• Pin 4 = Spare

• Pin 5 = Spare

Smart Power™ Specifications

	Smart Power™ 200	Smart Power™ 400
Voltage Input	100-240 Volt AC Auto Switching	100-240 Volt AC Auto Switching
Hertz	50-60Hz	50-60Hz
External Fuse	Yes	Yes
Watts Per Circuit Output	200 Watts x 1	200 Watts x 2
5-Pin DMX Input	Yes	Yes
DMX Pass Through	Yes	Yes
Output Circuit at 24 VDC	8.3 Amps Per Circuit	8.3 Amps Per Circuit x 2
XLR 4-Pin Output	2	4
XLR 4-Pin Return with DMX Terminator	2	4
Cooler	Fan	Fan
Device Loops	2 (200W Max Per Circuit)	4 (200W Max Per Circuit)
Rack Mount Kit	No	Yes
Dimensions		
Height	4.75" (121mm)	4.75"(121mm)
Width	10.5" (267mm)	12.5" (318mm)
Depth	13.5" (343mm)	18.5" (470mm)
Weight	7.0 lbs. (3.17kg)	14.8 lbs. (6.73kg)
Capacity		
Smart Color® Pro	7	14 (7 Per Circuit)
MXR 2	4	8 (4 Per Circuit)
Smart Move® DMX	13	26 (13 Per Circuit)
Smart Move® JR. DMX	13	26 (13 Per Circuit)
EZ Iris	13	26 (13 Per Circuit)
Certifications		
UL Listed	E-File E481047	E-File E481047
Made in the USA	Yes	Yes
Conforms to ANSI/IL Std 60950-1, Certified to CSA Std C22.2 No. 60950-1		

Pin 1: 0 Volts DC (14 Gauge)
Pin 2: Negative Data (22 Gauge)

Pin 3: Positive Data (22 Gauge)
Pin 4: Positive 24 Volts DC (14 Gauge)
Chassis: Ground Bounding (24 Gauge)

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Warranty

- Items are covered for defects in materials and workmanship for one year, including repair parts and repair labor on defective item, from date of the manufacturer invoice.

- The warranty covers freight for 30 days after initial purchase.

- The manufacturer does not cover any other loss resulting from product failure.

- Products being returned for warranty repair must display the original serial number. Removal of the serial number voids the product's limited warranty.

- Despite the care taken for the compilation of this manual, Apollo Design Technology, Inc. cannot be held responsible for any damages resulting from errors that may appear in this manual. All efforts have been made to provide the most accurate, up-to-date instructions and illustrations possible.

Serial Number	
Date Purchased	
Purchased From	

SMART POWER™

Power Supply

Apollo Design Technology, Inc.
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ApolloDesign.net