

# UltraPower 12



## Individually Controllable Power Distribution Unit

12 Outlet powerstrip

10A Rating on all outlets

Remembers outlet settings during power loss

Password protected

Remotely Controllable

## Features

- 12 controllable digital outlets (IEC 320 outlets rated at 10A)
- Individual outlet control
- Individual outlet delay timer
- Password protected setup and access
- Option to remember individual outlet settings during power loss
- Sequence all outlets UP
- Sequence all outlets DOWN
- Set all outlets OFF immediately
- Universal mounting brackets
- Compatible with Rose UltraMatrix and UltraConsole switches
- Out of band access
- Network independent

## The UltraPower 12

The UltraPower 12 is a 12 outlet powerstrip that provides an easy way to manage power using RS-232 communications. It enables network administrators to remotely reboot locked devices without the need of sending personnel to site.

A common application for the PDU is remote power recycling. Remote site management requires special consideration. All network equipment has the potential to lock up: servers can hang or 'blue screen' and often it only takes for the equipment to be re-booted to function again. However, if the equipment is situated remotely, in another building or city or country, then a visit to reboot locked up equipment can be a costly exercise. But perhaps more importantly, it can take more time than the demands of high availability networking can allow.

When used with one of Rose's UltraMatrix or UltraConsole switches, control of servers and devices at bios level is supplemented by the ability to cold reboot whilst online.

**Configuration Cable**

Your package contains a configuration cable (DB9 female-to-RJ 6/6). Use this cable to connect the PDU serial port and a dumb terminal or PC for configuration. Any dumb terminal or terminal emulation package, such as Microsoft Windows 95/98/NT HyperTerminal will work fine, providing it is capable of running at up to 9600 baud. Alternatively, just connect via a spare KVM port on a Rose switch.

**System Requirements**

The PDU will communicate with any device that can emulate a VT100 terminal session, this therefore includes any PC that has a terminal emulation software package installed and also most terminals. The Controllable PDU operates at 9600 baud.

**Main Control Menu**

The PDU can be controlled simply using the following table of commands.

Control Commands (Normally open relays)	
SU	Sequence Up
SD	Sequence Down
SO	Set all OFF immediately
ONnn	Turn relay nn ON (01-16)
OFnn	Turn relay nn OFF (01-16)
CTnn	Set Delat Time nn (0-99 seconds)
CA	Turn Auto-sequence ON at startup
CM	Turn Auto-sequence OFF at startup
CS	Print Current state
CP	Enter new password (8 char., DEFAULT 8 SPACES)

**Default Settings**

The PDU is shipped with the following default settings.

Control Commands (Normally open relays)	
Delay Timers	0 seconds
Current States	0 = Outlets OFF (relays open)
Auto Sequence	OFF
Console Password	8 x Spaces characters

**Specifications**

Power outlets: 12 x IEC 320 (rated at 10A 240 VAC)  
 Input rating: 16A at 240 VAC  
 RS-232 serial port: 6 pin modular connector  
 Relay rating: 12 x 16A at 240 VAC  
 Dimensions: 70 x 90 x 1800mm  
 Weight: 2.9kg

**ROSE ELECTRONICS - EUROPEAN OFFICE**

Bourne Works High Street, Collingbourne Ducis, Marlborough, Wiltshire SN8 3EH UNITED KINGDOM  
 Tel: +44 (0)126 485 0574 Fax: +44 (0)126 485 0529

**ROSE ELECTRONICS - GERMAN OFFICE**

Lise-Meitner-Strasse 1-7, 24223 Raisdorf GERMANY  
 Fon: ++49 (0) 4307-900-170 Fax: ++49 (0) 4307-900-171

**ROSE ELECTRONICS - SOUTHERN EUROPEAN OFFICE**

Edificio CIM Vallès - Of. 064, Carrer del Calderí s/n. Parcela, 13 08130 Sta. Perpetua de Moguda, Barcelona - SPAIN  
 Tel: +34.93.556.0700 Fax: +34.93.556.0704

**ROSE ELECTRONICS - US HEADQUARTERS**

10707 Stancliff Road, Houston, Texas 77099 USA  
 Tel: 281-933-7673 Tel: 800-333-9343 Fax: 281-933-0044

**ROSE ELECTRONICS - ASIA PACIFIC OFFICE**

10 Anson Rd, #33-06B International Plaza, Singapore 079903  
 Tel: + 65 6324 2322 Fax: + 65 6225 3628

**Typical Application**



01:31

Engineer receives ALARM - 'Server is not responding'.



01:38

Engineer connects to network site over IP using UltraLink.



01:39

Engineer switches directly to server console using UltraConsole.



01:39

Warm reboot fails - server is locked up.



01:40

Engineer cycles power to the locked server using UltraPower.



01:40

Problem fixed.