MINUTEMAN® RPM™ – Remote Power Manager

remote power & network management control

▶ **"Smart" telephone interface allows fail-safe rebooting from any telephone (cell or land line) — no modem needed**

▶ **Network administrators can configure and control RPM units worldwide through most standard Web browsers using a single network IP address**

▶ **RPM technology accommodates most network and security protocols**

▶ **"Daisy-chain" as many as 15 additional MINUTEMAN RPM client nodes to each RPM master unit**

▶ **Manage as many as 128 devices through one MINUTEMAN RPM and a single network IP address**

Power **Nerve Center**

Network administrators now have flexible, scalable access via the network, a Web browser, or a telephone.

The MINUTEMAN RPM (Remote Power Manager) is the ultimate power nerve center for controlling multiple network devices and services. With the RPM, you can individually control AC power for up to eight connected devices such as servers, hubs, routers, modems, and telephone systems. Up to 15 client RPM units can be added to control a total of 128 devices.

Multiple methods of communication & control

The MINUTEMAN RPM offers several convenient and flexible methods of communication and control over network devices — most users connect it to their LAN using a standard Ethernet connection. Unlike other power management units, the RPM gives you control via a telephone with no additional modem required — a very useful feature when your network locks up or becomes inoperable and no network connection is available. Simply call your master RPM unit from anywhere in the world and, using the touchtone keypad, enter your password and key in commands to reset devices as needed.

You can also connect an external modem to the MINUTEMAN RPM via its built-in RS 232 port to dial-up to the Internet. Once connected, the RPM emails you to notify you that it is connected to the Web with a specific address, allowing you to control the RPM through a Web browser, just as if it were connected to the LAN. The RPM also features scheduled output control — you can preset a day of the week and a specific time to start up and shutdown individual devices.
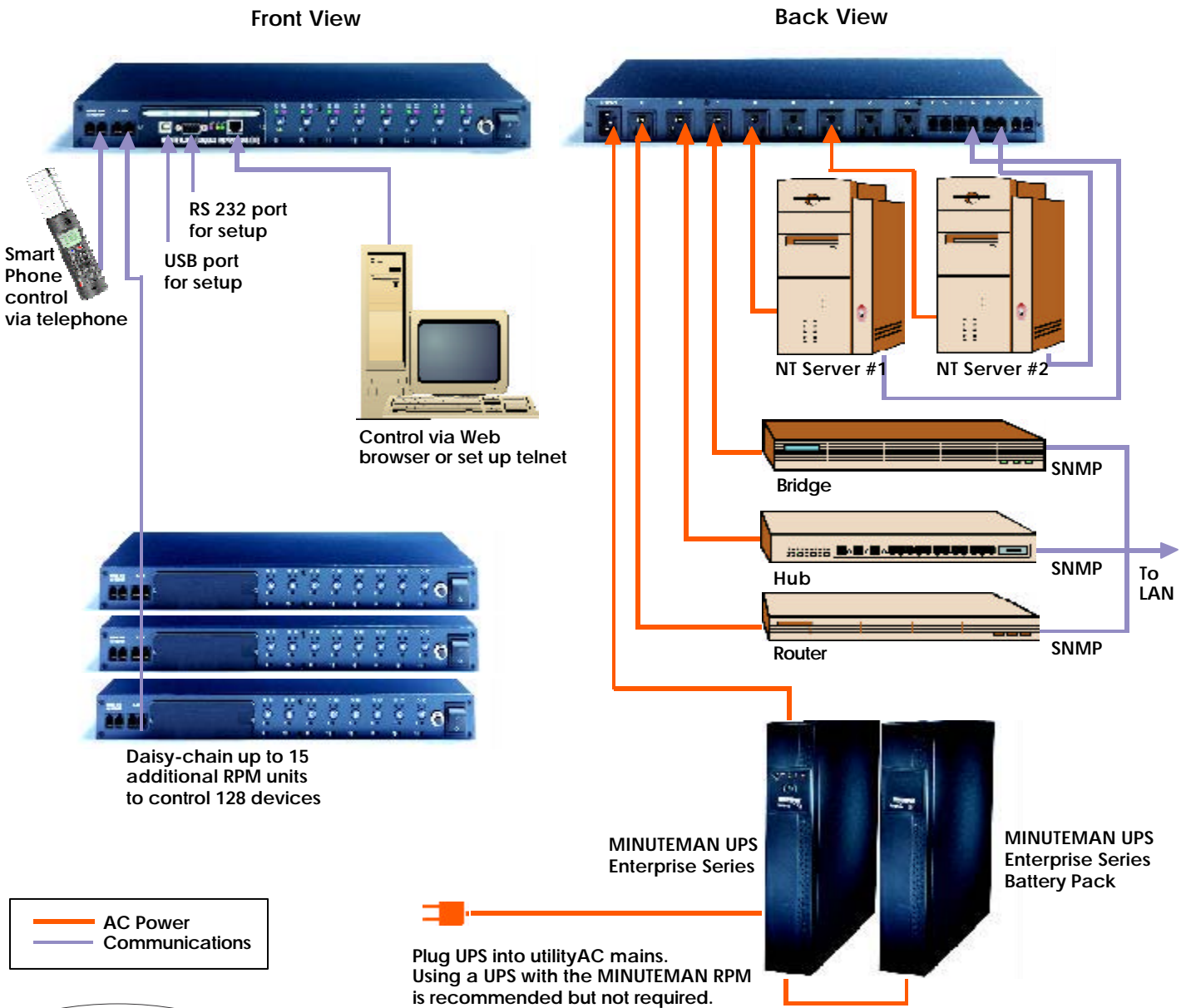
To keep you informed of events such as a server shutdown, the RPM can submit its notifications via pagers or network broadcast messages.
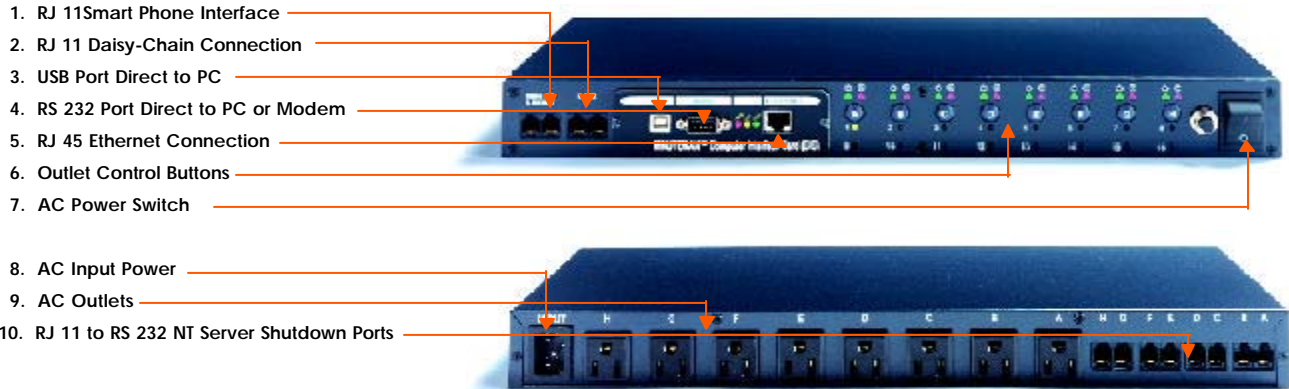
Manage devices from anywhere in the world

Once you've configured the MINUTEMAN RPM and connected it to your network, you can easily control it from virtually anywhere using a standard Web browser and your password. For example, you can reboot a locked network router in another city by simply resetting the outlet to which the router is attached. The MINUTEMAN RPM is the perfect solution for network administrators who manage one or more remote locations, such as an Internet Service Provider with several Points-of-Presence (POPs).

Sample Network Installation of the MINUTEMAN RPM™

Front View

Back View

Smart Phone control via telephone

RS 232 port for setup

USB port for setup

Control via Web browser or set up telnet

NT Server #1   NT Server #2

Bridge   SNMP

Hub   SNMP   To LAN

Router   SNMP

Daisy-chain up to 15 additional RPM units to control 128 devices

MINUTEMAN UPS Enterprise Series

MINUTEMAN UPS Enterprise Series Battery Pack

━━ AC Power
━━ Communications

Plug UPS into utilityAC mains. Using a UPS with the MINUTEMAN RPM is recommended but not required.

MINUTEMAN RPM™ Specifications

Model Number (230 VAC Specs in parenthesis)	RPM 1600(RPM 1601i)	RPM 1601 (RPM 1601i)	RPM 1609(RPM 1609i)	RPM 3001 (RPM 3001i)
Direct NT PC Connections	None	None	8 each RJ11 / RS232	
Smart Telephone Call-in Function	Yes			
Net Control / Support	HTTP Server & SNMP Agent TCP/IP, MIBS			
Dimensions H X W X D	1.75 X 17 X 6.5 Inches (44.45 X 432 X 165.1m)			3.46 X 16.98 X8.36 (88 X 431.5 X 212.5)
Net Weight / Ship Weight	9 lbs (4.1 kg) / 10 lbs (4.55 kg)			11 lbs (5.0 kg) / 14.31 lbs (6.5 kg)
Input Connection	NEMA 5-15P (IEC 320 P)			L 5-30P
Output Rec Quantity / Type	8 each NEMA 5-15R (IEC 320 R)			6 each NEMA 5-15R Duplex; 2 each L 5-30R
LAN Conn / Driverconsole Conn / Driver	RJ45 / Ethernet, DB9 / PPP + Dial-In / USB / USB Driver			
2nd RPM Connection (Daisy Link Connection)	RJ11, RS232 Connect Up To 15 Additional Switches			
Ring On / Reset / Off	Yes			
Nominal / Input Voltage Range	115 VAC Nominal / Range 85 - 145 VAC (230 VAC Nominal / range 170 - 290 VAC)			
Input Frequency	43-66 Full Range			
Maximum Output	15 Amps			30 Amps
Input Protection	15 Amp Circuit Breaker			30 Amp Circuit Breaker
Spike / Surge Protection	IEC 801-2, 801-3,801-4,801-5			
Safety / EMI Compliance	UL, CSA FCC Class B (VDE FCC CLASS B)			
Testing Standards	IEEE / ANSI C62.45			
Operating Temperature	0 To 40 degrees C			
Storage Temperature	-15 To 50 degrees C			
Relative Humidity	0-95 % Non-Condensing			
Altitude	3,000 m (10,000 ft.) Without Derating			

1. RJ 11Smart Phone Interface
2. RJ 11 Daisy-Chain Connection
3. USB Port Direct to PC
4. RS 232 Port Direct to PC or Modem
5. RJ 45 Ethernet Connection
6. Outlet Control Buttons
7. AC Power Switch

8. AC Input Power
9. AC Outlets
10. RJ 11 to RS 232 NT Server Shutdown Ports

Actions \ Components	1. RJ-11 Smart Phone Interface	2. RJ-11 Daisy-Chain Connection	3. USB Port Direct to PC	4. RS-232 Direct to PC or Modem	5. RJ-45 Connection	6. Outlet Control Buttons	7. AC Power Switch	8. AC Outlets	9. RJ-11 to RS-232 Server Shutdown Ports
A. Initial Setup			🟢	🟢	🟢 [2]				
B. Web Browser Control					🟢 [3]				
C. Alerts Via Network					🟢 [3, 4]				
D. Turn Devices On/ Off	🟢			🟢 [1]	🟢 [3]	🟢	🟢	🟢	🟢
E. Add More Clients RPMs		🟢							
F. NT Server Shutdown								🟢	🟢

[1]When external modem is connected to RS 232 communications port. [2]Telnet connection via RJ 45. [3]Ethernet connection (Web browser). [4]SNMP (Status monitoring only).

A. Initial setup: Establishes a unique IP address on the LAN.

B. Web browser control: Controls the RPM via standard Web browser.

C. Alerts via network: Communicates status of connected devices.

D. Turn outlets on/off: Turns devices on or off, or resets them.

E. Add more RPM client units: Adds more MINUTEMAN RPM 1600s.

F. Windows NT 4.0/2000 Shutdown: Performs a graceful, sequential shutdown.

MINUTEMAN
UNINTERRUPTIBLE POWER SUPPLIES