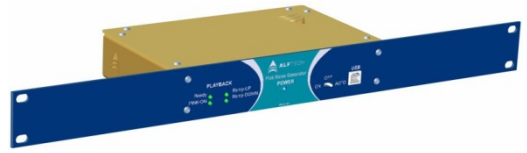




ALFTECH
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PINK NOISE GENERATOR

PING-RM1

Hardware Features

- **1U Rack-Mount form factor**
- **AC powered**
- **Mono, balanced line out**
- **Programmable on and off time(s)**
- **Programmable ramp-up/down durations**
- **Front panel ON/AUTO/OFF switch**
- **Internal Real Time Clock**
- **Programmable via USB**

Hardware Connections

- **230 VAC IEC Power Socket**
- **Balanced Audio Line-Out**
- **Optional RS-232 Communications**
- **Front USB Port**

Hardware Indicator LED's

- **Power LED**
- **Ramp-Up LED**
- **Ramp-Down LED**
- **Pink noise on LED**

PING- CONSOLE

SOFTWARE DESCRIPTION

The PING-RM1 is supplied with PING-CONSOLE; a Microsoft® Windows based graphical user interface software, which allows easy setup, configuration and programming.

Daily start and stop times can be preset. Audio Ramp-up and Ramp-down times can be preset. PING- Console are used to set the Internal Real Time Clock.

Once configuration is complete, the PING-CONSOLE will download the configuration to the PING-RM1 via a USB connection. The PING-RM1 can be disconnected from the PC, and installed on site.

HARDWARE ORDERING OPTIONS

Part Number	Description
PING-RM1	Rack Mount form factor, including all features as described above;
PING-RM1 +S	Rack Mount form factor, RS-232 communications, and all features as described above;

PING-RM1 DATASHEET October 2012

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PING-CONSOLE

Software Requirements

- **Requires an IBM PC/AT Compatible Computer**
 - Available USB Port
- **Recommended Platforms:** IBM-compatible PC running Windows 7 (32/64 bit), Windows XP*, NT4* SP3+, ME* or 98SE* at a minimum screen resolution of 800×600 (Small Fonts).

* NOTE: PING-CONSOLE has been tested successfully on these alternative Microsoft Windows platforms, but ALFTECH makes no recommendation of the use of such alternatives. Only LIMITED support is provided if the PING Products are installed or connected to such alternatives.

PING-RM1 Electrical Specifications

Electrical Characteristics

(Over the Operating Range)

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT	NOTES
Power Consumption	230VAC, normal operation		2		W	
Real Time Clock Accuracy	0°C to +40°C		±4		Min/Yr	1
Clock battery Backup time	Power off	5			years	
Audio Output Level	0 dBFS digital		0		dBu	2
Audio Output Impedance	Differential		44		Ω	

Notes

1. The Real Time Clock may vary to ±6 Min/Yr over 0°C to +85°C.
2. The output level is between the hot and cold terminals. Peak-to-Peak voltage of 3.096 V, RMS voltage of 1.095 V.

Audio Output

The output is balanced, and impedance matched. The output is driven out of phase, and is not floating like a transformer output. If an unbalanced output is required, connect the cable ground to ground, and the signal to the HOT output terminal. Leave the COLD terminal open. This however will only supply half the output level of a balanced output. The outputs can easily drive the large capacitive loads associated with long audio cables.

Electrostatic Discharge

The inputs and outputs can be damaged by electrostatic discharge, thus care must be taken when handling the product. Failure to observe proper handling and installation procedures can cause damage. ESD damage can range from performance degradation to complete product failure.

Physical Layout and Dimensions

PING-RM1

(All Dimensions in mm)

