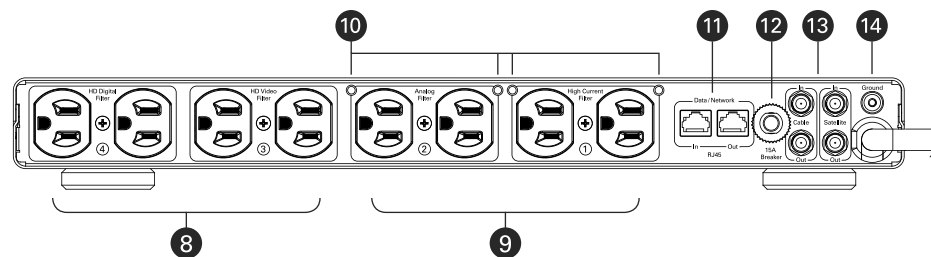## SYNC-400: FRONT PANEL

1 Power ON/OFF
This button's function is to turn the 4 switched outlets ON or OFF

2 Power ON LED
Indicates the power circuitry is functioning properly when the unit is ON. The LED will flash 6 times indicating that the voltage is stable

3 Digital Display LED
The LED indicates input voltage

4 Alarm Indicator
This indicator will flash when the input voltage is above 130 Volts or below 85 Volts

5 Protection ON Indicator
The green LED light Indicates that the Surge Protection function is ON

6 Ground OK Indicator
The green LED lights up when the unit is ON, indicating that the unit is properly grounded. If this indicator does not light up, refer to the Troubleshooting section

7 Rack Mountable

SYNC-400: REAR PANEL

8 Switched AC Outlets (Digital Filter/High Video Filter)

9 Always ON Outlet (Analog Filter/High Current Filter)
Outlets labelled Analog Filter are low amperage for powering analog source or components such as analog preamps, tuners or other analog inputs. Outlets labeled High Current Filter are for high-power components like amplifiers, A/V Receivers and subwoofers

10 Always ON Outlets LED Indicator
The 4 red LEDs will light up when plugged into the wall to indicate outlets that are always on.

11 Data/Network Line Protection
This section contains 1 Input and 1 Outputs for Data/Network line protection. It provides surge protection against damaging voltage surge or spikes from the network line

12 15 Amp Circuit Breaker
This is a manually resettable circuit breaker. The total current allowed for all outlets is 15 Amps

13 Cable TV and Satellite Line Protection
This section contains 2 Inputs and 2 Outputs for TV and Satellite. These connections protect Cable TV and Satellite from power surges that rides the AC line

14 Ground Lug
This is a chassis ground lug for grounding your components together.

SYNC-400 HIGH DEFINITION POWER CONDITIONER

Features

- 8 surge protected filtered AC outlets

- Isolated digital, video, audio and high-current AC outlets

- Patented ASP™ microprocessor voltage monitoring

- 2 pair high definition surge protected coax connections

- 1 pair high speed surge protected LAN network connectors

- 4 always-on outlets

- 4 switched outlets

- 15 amp reset circuit breaker

- 8 Ft./2.5M 14 AWG AC power cord

- Level 2 Filtration

- Flat profile AC power plug

- Rack Mounting Kit Included

SYNC-400 TECHNICAL SPECIFICATIONS

Surge Energy Joule Rating	3500J
Clamping Voltage	L-N (400V), L-G (1000V), N-G (1000V)
Total Current Capacity	15A
Surge Circuit Shutdown	YES
Protection Modes	L-N, L-G, N-G
Line Voltage	125VAC / 60Hz
Surge Suppression Clamping Voltage	330V
Response Time	< 1 Nanosecond
Maximum Spike Voltage	6KV

Shutdown Thresholds

Over Voltage	>130 VAC
Under Voltage	<85 VAC

EMI/RFI Noise Filtration

Frequency (KHz	150KHz – 100MHz
Attenuation (dB	Up to 45dB
Level of Filtration	Level 2

Data Jacks

In	RJ45
Out	RJ45
Clamping Level	275V
Capacitance	30 pf (approximate)
Compatibility	10M/100Mbps

Coax Protection

HD 1080i and 1080p ready	YES
Attenuation	<1dB from 950 MHz – 2.2GHz
Breakdown Voltage	70V

Size and Weight

Dimensions	17(W) x 8.5(D) x 2.125(H) inches
	432(W) x 216.3(D) x 54(H) mm
Weight	7.83 lbs / 3.55Kg

TROUBLESHOOTING

PROBLEM	POSSIBLE SOLUTION
Unit will not power up, GROUND OK indicator is not lit. Red Alarm LED illuminates indicating faulty ground in AC wall outlet.	Improper electrical circuit ground. Unit must be plugged into a 3-prong grounded wall outlet. 3-to-2-prong adapters may not be used.
Green "Protection On" indicator does not illuminate when powered up.	Indicates internal malfunction. Consult page 13 for Limited Warranty For Consumers Section and follow procedures. Ensure Power On button has been activated.
The SYNC-400's LED indicators do not illuminate and unit will not power up.	No power is reaching the unit. Make sure the power cord is correctly plugged into a properly grounded, 3 wire AC wall outlet.
Your connected equipment does not turn on.	1. Make sure that the power switches on your components are turned on. Some of your components may require a remote to turn on. In this instance, you may need to use the SYNC-400 "always-on" outlet for this component. 2. The SYNC-400 may shut down as a result of too many components plugged into it. The unit is designed to handle up to 15 Amps or 1800 Watts maximum. Unplug some components, reset the circuit breaker, and try again.