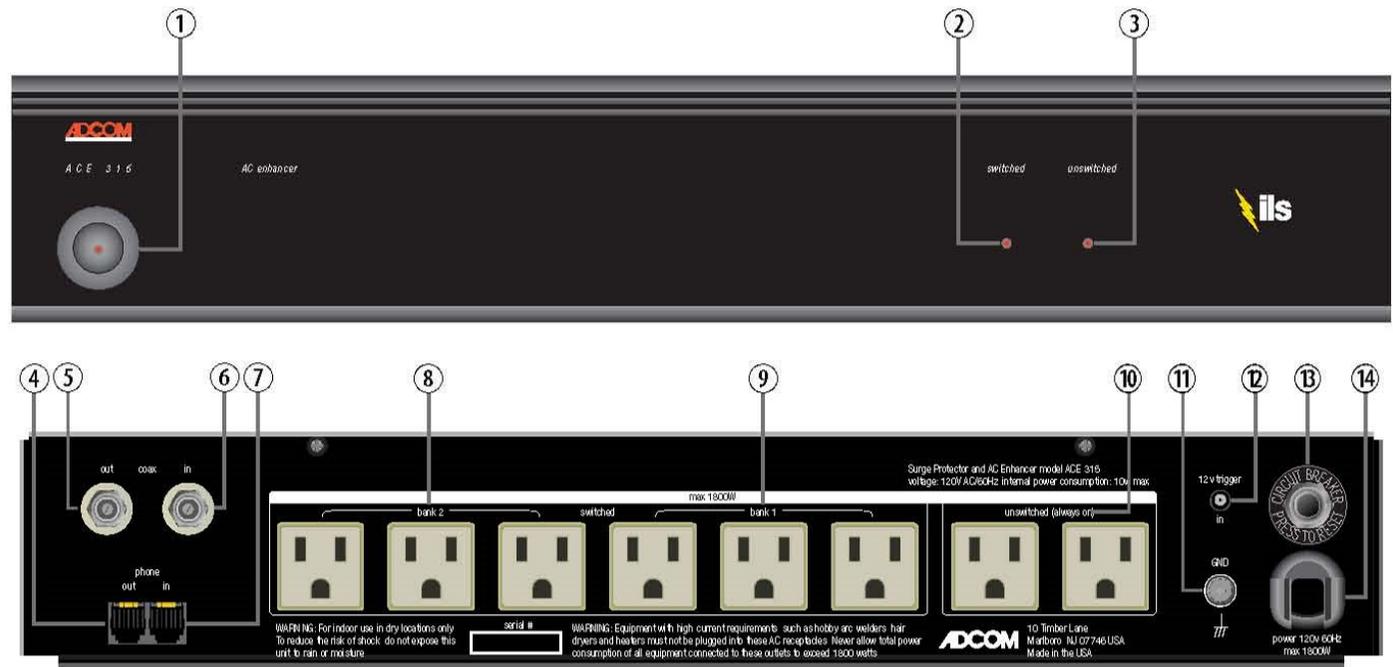




ACE - 315

Introduction

The ACE-315 is a very carefully engineered product designed to protect your audio system while providing it with clean AC power. The surge protection is a non-sacrificial patented technology (U.S. patents 4,870,534 and 4,870,528) that conforms to the strictest Federal Guidelines for surge protection.



Safety Instructions

- Read all instructions and store them for future reference.
- Plug unit into polarized AC outlets only. Contact an electrician if there is any doubt that the outlet is properly polarized.
- Install in a properly ventilated location, away from heaters, heat ducts and other heat producing devices.
- Do not use with high-current devices such as hobby arc welders, hair dryers, and space heaters. Total power consumption of connected equipment must not exceed 1800 watts.
- Do not use a unit if there are any signs of damage.
- No user serviceable parts inside. Do not attempt servicing of this unit yourself. Refer servicing to qualified service personnel.
- All Satellite/DSS, Cable, and Antenna cables must be grounded in accordance with Section 810 of the National Electrical Code and ANSI/NFPA No. 70-1984. Failure to comply with these codes will void all warranties regarding the ACE-315.

Symbol explanations



This "lightning flash with arrowhead" symbol is intended to alert the user of the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This exclamation point symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Unpacking

Before each ACE-315 left the factory, it was carefully inspected for physical imperfections as a routine part of ADCOM's systematic quality control. This, along with full operational and mechanical testing, should insure a product flawless in both appearance and performance. After you have unpacked the ACE-315, inspect it for physical damage. Save the shipping carton and all packing materials, as they are intended to minimize the possibility of transportation damage, should the product ever need to be shipped again. In the unlikely event damage has occurred, notify your dealer immediately and request the name of the carrier so that a written claim to cover the damage can be initiated.

The right to any claim against a public carrier can be forfeited if the carrier is not notified promptly in writing and if the shipping carton and packing materials are not

available for inspection. Save all packing materials until the claim has been settled.

Installation

For maximum performance and extended product life, install the ACE-315 in a well ventilated area away from external heat sources like radiators and heat vents. For professional installations, the ACE-315 may be mounted in a standard 19-inch rack using the optional RM-3 rack-mount adapters available through **ADCOM** dealers.

Connections

Optional: Attach the supplied color-coded AC cord labels to each AC cord to be installed. Place a label at each end of the AC cord to easily identify which cord is connected to each product.

System AC Connections

Begin by connecting products which require full-time AC power to the rear panel jacks labeled "unswitched" ⑩. Connect the remaining AC power cords to the rear panel "switched" AC outlets ⑧, ⑨.

Grounding Screw

The grounding screw ⑩ provides a convenient system grounding point where one or more of the components is not equipped with a three prong AC cord. The entire system can be grounded by simply connecting a wire between the chassis of any system component and the ACE-315 grounding screw ⑩. (The remaining components will be grounded to the ACE-315 through the various audio and video coax connections.)

Remote Triggering

The ACE-315 may be remotely activated and deactivated using a low voltage trigger signal available from most contemporary preamps and receivers. Connect the trigger out jack of the preamp with the ACE-315's 12v trigger in jack ⑨.

Sat/DSS and Cable Connection

The coaxial protection circuit accommodates Satellite/DSS, Cable, and Antenna signals. Connect the incoming cable to the coax in jack ⑥. Connect the coax out jack ⑦ to the appropriate input jack of a cable box, Sat/DSS receiver, or TV/Monitor.

NOTE: All outdoor cables must be properly grounded prior to entering a building. See the Safety Instructions section for further details.

Phone Line

Connect the phone line from the wall outlet to the phone in jack ④. Connect the phone out jack ⑦ to the line input of a modem, DVD, TiVo, DSS receiver, or pay-per-view cable box.

Multiple Amplifiers

When connecting more than one amplifier to the ACE-315, install the first amplifier into one of the "bank one" ⑤ AC outlets. Install the second amplifier into one of the "bank two" ⑧ AC outlets

AC Power Connection

Once the installation and all necessary connections are made, insure all connected equipment is off, and that the ACE-315 power button ① is in the Off (out) position. Now plug the AC power cord ⑭ into a grounded AC wall outlet. The unit is ready for operation.

Operation

The unswitched front panel LED ③ indicates that AC current is passing through the ACE-315 and into the components connected to the unswitched AC rear panel outlets ⑩. The unswitched LED ③ is always on provided the unit is plugged into an active AC source.

Front Panel Control

Press the ACE-315 power button ① to activate the unit. The power LED ① and switched LED ② will glow red. AC power is being supplied to all connected components.

Remote 12v Trigger Control

** Note: This section only applies when an external trigger is connected to the 12v trigger in jack ⑨.*

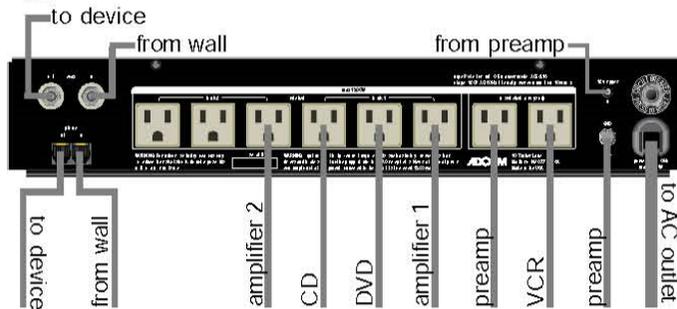
** Note: The unit only responds to an external trigger when the power button ① is pressed in. The power button ① can be used to override the 12v trigger input and turn the ACE-315 off.*

Press the ACE-315 power button ① to put the unit into standby mode. The power LED ① will glow amber indicating it is waiting for an external 12v trigger to power on. Turn on the component supplying the 12v trigger. The ACE-315 power button LED ① and switched LED ② will glow red indicating AC power is being supplied to all connected components. Turn off the 12v trigger supply to return the ACE-315 to standby mode.

Trouble shooting

Symptom	Possible Causes
-Unswitched LED does not come on when the ACE-315 AC power cord is plugged into an outlet	-Outlet may be shut off at the main breaker box
-Power button pushed in, but switched outlets are off	-Unit may be in standby mode -Remove any plug in the 12v trigger jack

Typical Connections



Servicing

ADCOM has a technical service department to answer questions pertaining to the installation and operation of your unit. In the event of difficulty, please contact us for prompt advice. If your problem can not be resolved through our combined efforts, we may refer you to an authorized repair agency, or authorize return of the unit to the factory. To aid us in directing you to a convenient service station, please indicate which major city is accessible to your home.

Phone or Fax inquiries to:
 Phone (732) 683-2356
 Fax (732) 683-9790
 Mon - Fri 9AM - 5PM EST
 Please direct inquiries to:
 ADCOM Service Department
 Please include a return fax number for the reply.

email and website info:
info@adcom.com www.adcom.com
 Please include a return e-mail address for the reply.

Please address all mail inquiries to:
 ADCOM Service Corporation
 10 Timber Lane
 Marlboro, NJ 07746 USA
 Please include a return address for the reply.

Technical Specifications

Electrical

Input power.....120VAC, +/-10%, 5-/60Hz
 Protection.....15A Circuit Breaker
 Internal Power Consumption.....Less than 5 watts
 Control Input.....+/-5V to 24V AC/DC
 Total Output.....15A
 Environmental: Operating Temperature.....0 to +50 C
 Storage Temperature.....-40 to +80 C

Filter

Noise: Normal Mode.....-5dB at 5kHz; -38 dB at 300kHz
 Common Mode.....-3dB at 300kHz; -40 dB at 1 MHz

Surge Protection

Endurance.....1,000 surges 6 kV; 3 kA
 Clamping.....172 volts
 Response Time.....0sec
 (Passive protection / always on)

Maximum Applied Pulse (Combination Wave):

- Voltage: 6,000 volts
- Current: Unlimited due to current limiting
- Joules: Unlimited due to current limiting

Mechanical

Dimensions....17"(430mm) x 5-15/16" (150mm) x 3.5"(89mm)
 Weight.....6 lbs (2.7 kg)
 AC Cord.....6 ft (1.8m)