



ADEMCO Video
171 Eileen Way
Syosset, NY 11791

Customer Service	800-352-9169
Applications	877-653-0302
Technical Support	888-238-7978
Fax	516-921-4307
Website	www.ademcovideo.com

ASP16

DIGITAL RECORDER PROTECTOR

User Guide



PN191121
Rev.2
11-13-02

ADEMCO Video
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Tel. 1-800-352-9169

7. UPS Protected AC Power Outlets

These 2 battery power supplied outlets provide surge and battery back up protection. Plug your digital video recorder into this outlet. (Not Suitable for Camera Power Supplies.)

IMPORTANT: Do not plug a laser printer into the UPS protected outlets. Because the power demand is much higher than other peripherals, it may cause the circuit breaker to trip or cause an overload condition.

8. 15 Amp Resettable Circuit Breaker

If ASP16 is overloaded, it will trigger this circuit breaker and disconnect the power. If this occurs, the black button will pop out, and AC power will be removed from all outlets. (Battery power will still be provided to UPS protected outlets.) If this happens, unplug at least one piece of equipment and reset the circuit breaker by pressing the button back into place.

9. AC Power Inlet

The ASP16 is equipped with either a 15A 125VAC power cord or an IEC 320 power inlet that will accept any country-specific power cord with an IEC 60320 connector on one end. Use a minimum SJT type awg #14 15A 125VAC power cord.

10. Video Cable Protection

The ASP16 has multiple pairs of BNC connector ports marked "IN" and "OUT". These ports are used to surge protect the digital video recorder from sixteen (16) sets of incoming camera cables.

11. Category 5 Data Jacks

These jacks are marked "IN" and "OUT". Connect the incoming 100 Base-T cable to the jack marked "IN". Use a Cat 5 patch cable (not supplied) to connect the "OUT" jack to the DVR.

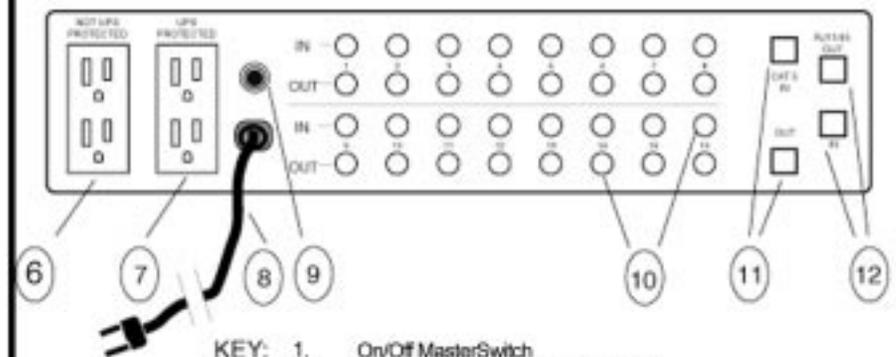
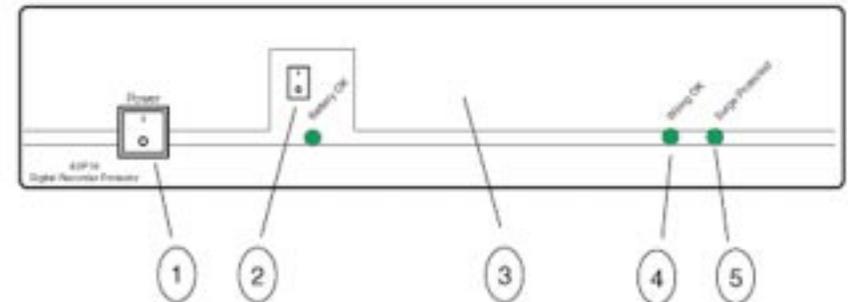
12. The ASP16 is equipped with a phone/fax/modem line surge protector.

Connect the incoming phone line to the "IN" jack and a patch cord (not supplied) to the "OUT" jack and then to the equipment.

ASP16 BATTERY BACK UP SPECIFICATIONS

The ASP16 battery back up is rated at 450VA / 250W. It has an expected battery life of 3 to 6 years. The battery run times under typical DVR systems is 13 to 15 minutes.

ADEMCO Video DIGITAL RECORDER PROTECTOR Catalog Number ASP16



- KEY:**
1. On/Off Master Switch
 2. Check Battery Switch and Indicator
 3. Warning Audible Alarm (inside)
 4. Wiring OK Indicator
 5. Surge Protected OK Indicator
 6. Surge Protected Duplex Outlet - Not UPS Protected
 7. Surge Protected Duplex Outlet - UPS Protected (Not Suitable for Camera Power Supplies.)
 8. Power Cord - 15A 125V
 9. 15A Resettable Circuit Breaker
 10. Sixteen Sets of Surge Protected Coax Cable Ports
 11. Category 5 Data Jacks - Surge Protected
 12. TelerData Line Jacks - Surge Protected

**ADEMCO
VIDEO**

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Thank you for trusting ADEMCO Video to protect your valuable Digital Recording equipment. Your ASP16 is designed and built to do the job! Simply terminate all copper connections to the ASP16 first, then to your digital video recorder.

1. **On/Off Master Switch**
The main power switch controls the power to all of the outlets. "I" means ON and "O" means OFF.
2. **Push Button Check Battery Indicator**
When the ASP16 is powered up by the master switch, it performs a self-test to determine battery condition. If the audible alarm sounds for 30 seconds, the ASP16 needs to charge for 24 hours. Then, retest the battery by depressing the Battery Test Switch. The indicator should light as the switch is depressed. If, after charging, the indicator fails to light when the switch is depressed, the battery needs to be replaced.
3. **Wiring OK Indicator Light**
This indicator instantly alerts you to faulty outlet wiring at your facility (either no ground circuit or a reversed polarity in the building wiring). If this light is off, consult a qualified electrician to examine your building wiring.
4. **Surge Protected OK Indicator Light**
This indicator shows the status of your AC surge protection circuitry. This indicator is lighted when the unit has full surge protection on the AC power circuit. Should one or more of your camera circuits lose surge protection, it will be evidenced by signal degradation appearing on the monitor screen for that particular camera. Should the surge protection self sacrifice on the data line circuit, it will be evidenced by "noise" on that line.
5. **Internal Audible Warning Alarm**
When the ASP16 is switched on, the audible alarm will sound once for safety diagnosis. After 5 seconds, ASP16 will check the strength of the battery. If the battery is weak, the audible alarm will sound continuously for 30 seconds.
6. **Non-UPS Protected AC Power Outlets**
The 2 outlets will not supply battery back up. These are for the monitor and printer that do not require battery back up to record images. Surge protection is always there, even if the main power is switched off.

How to Set up the ASP16

- STEP 1:** Please note that the battery in ASP16 is expected to lose some charge in shipping and storage. It will recharge completely in approximately 4 hours of normal operation. Do not expect full battery run time during this charging period.
- STEP 2:** Plug the ASP16 into an electrical outlet that does not share circuit with heavy electrical loading (e.g. air conditioner, refrigerator, etc.) If "wiring OK" light does not light up, refer to page 3, item #3.
- STEP 3:** Plug your DVR power cord into the ASP16 UPS protected outlet. (Not Suitable for Camera Power Supplies.)
- STEP 4:** Connect the coaxial cable runs from cameras to the "IN" connectors on the ASP16. Attach patch cords of at least 3 feet in length to the "OUT" connectors on the ASP16 and then to the feed ports on your DVR.
- STEP 5:** Connect the incoming 100 Base-T line to the "IN" jack on the ASP16 marked "Cat. 5" Connect patch cord at least 3 feet in length between the "OUT" jack and your DVR.
- STEP 6:** Connect your incoming phone/fax/modem line to the ASP16 jack marked "RJ45 IN". Use a patch cord of at least 3 feet in length to connect the "OUT" jack to your equipment.
- STEP 7:** Plug in your DVR , then switch on the ASP16. It will run a 5-second self-test to determine the strength of the battery. Refer to page 3, item #2.

SAFETY PRECAUTIONS:

- CAUTION:** ASP16 has an internal battery source. When the On/Off switch is on, the battery supplied outlets are energized, even when the unit is not plugged in.
- CAUTION:** Use only indoors and in dry locations.
- CAUTION:** Connect the ASP16 to a 3-pronged grounded outlet. Make sure the branch is protected by a fuse or circuit breaker, and not servicing equipment requiring heavy electricity (e.g. refrigerator, air conditioner, copier, etc.)
- CAUTION:** Never plug a ASP16 into itself; this will cause a short circuit.
- NOTICE:** For use in a controlled environment
Use of ASP16 in life support applications is NOT recommended.

ASP16

Electrical Specifications

Class:	Digital Recorder Protector / Battery Back-Up
Installation Point:	Audio -Video Point of Use
Agency Approvals:	UL 1778
Connection Method:	6 Foot Power Cord
Continuous Current:	12 Amps
Response Time:	< 5 nSec
MCOV:	130VAC
Operating Frequency:	50 - 60 Hz
AC Protection Modes:	L - G, L - N, N - G
Service Voltage:	125VAC
Diagnostics:	Ground OK, Surge Protection Active
EMI/RFI Noise Filtering:	150KHz - 100mHz up to 58dB
Max. Surge Current:	58,500Amps (Peak)
Max. Energy Dissipation:	1665 Joules (Single Pulse)
Features:	4 AC Outlets (2 Switched), 16 - In / 16 - Out Coax, and 2 In/2Out RJ45
Battery Backup Rating:	450VA / 250W (Max.)
Battery Output Voltage:	120VAC 5%
Battery Charge Mode:	Full Time
Battery Recharge Time:	12 Hours from total discharge (Typical)
Battery Life:	3-6 Years (Typical)
Battery Back up Response Time:	4 ms

Physical Specifications

Housing:	Painted Steel
Housing Color:	Black
Housing Size:	17.13" W x 7.31" L x 3.5" H
Weight:	14.00 lbs

***IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS**