

AMULET HYBRID DVR

400 & 450 SERIES
QUICK START GUIDE



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IMPORTANT SAFETY INSTRUCTIONS

- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- To reduce the risk of electric shock, **DO NOT** remove cover or back panel. No user serviceable parts inside. Refer servicing to qualified personnel.

IMPORTANT SAFETY INSTRUCTIONS (CONTINUED)

- To help prevent electric shock, plug the power cable into properly grounded sources. Use only properly grounded extension cords and adaptors, if they are needed.
- The AC main plug is used as the disconnect device, the disconnect device shall remain readily operable.
- Make sure nothing is lying on any of the cables.
- Be sure the cables are located where they will not be stepped on or tripped over.
- Do not spill food or liquids onto the unit.
- Do not push any objects into the free slots. Doing so will damage the unit, can cause fire or electrical shock, and can short out interior components.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not block cooling vents.
- Do not place the equipment in a closed-in wall unit.
- When you disconnect a cable, pull on its connector or on its strain relief loop, not on the cable itself. Some cables have a connector with locking tabs; if you are disconnecting this type of cable, press in on the locking tabs before disconnecting the cables.
- When you connect a cable, make sure both connectors are correctly oriented and aligned before connecting to avoid bending connector pins.
- For PLUGGABLE EQUIPMENT, the socket-outlet shall be installed near the equipment and shall be easily accessible.
- Changes or Modifications not expressly approved by the party responsible could void the user's authority to operate this device.

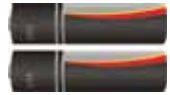
WHAT'S INCLUDED



Amulet Hybrid DVR



Universal IR Remote Control



2xAA Batteries for Remote Control



URC Quick Reference Guide



Amulet Quick Start Guide



Composite Audio/Video Cable
(For SD Video and Stereo Audio)



Ethernet Cable
(For Wired Networking)



AC Power Adapter + Power Cord
(100-240V, Output 12V/5A)

ADDITIONAL ITEMS THAT MAY BE REQUIRED (NOT INCLUDED):

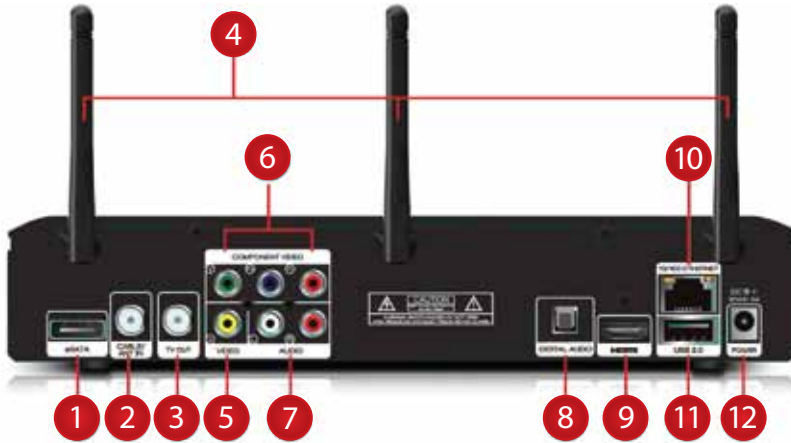
- HDMI Cable
- Component Video Cable
- Coaxial Cable
- Digital Audio Cable
- Network Router

AMULET HYBRID DVR – FRONT PANEL



Name	Function	Description
1 POWER	Button	Solid Blue indicates the unit is on Solid Red indicates the unit is in standby mode Flashing Blue indicates the unit is starting up Press button once to put unit in standby mode, press again to resume To restart the device, press and hold button for at least 5 seconds or longer
2 LINK	Status LED	Blue dot indicates that Ethernet or Wi-Fi network connection is active
3 CLOCK	4-Digit LED	Clock displays current time set by your service provider. It may not display time during the restart process
4 RECORD	Status LED	Blue dot indicates a TV program is currently recording
5 HD	Status LED	Blue dot indicates current program is playing in HD (720p or higher) resolution
6 7-way Navigation + MENU	Capacitive Touch Panel	Use Back, Menu, OK and Directional buttons to help with navigating the user interface without a remote control
7 USB 2.0	USB 2.0 Connector	To connect USB devices such as USB Flash Drive, External USB Hard Drive

AMULET HYBRID DVR – BACK PANEL



Name	Description
1 eSATA	External Serial ATA Connector (May supports future upgrades).
2 CABLE/ANT IN	For Clear QAM Cable TV Source and ATSC Antenna
3 TV OUT	Connection to RF TV Output
4 Wi-Fi (Optional)	Provide extended range and coverage to wireless network
5 VIDEO	Composite Video for SD Video
6 COMPONENT VIDEO	Component Video Output (Y, Pb, Pr) for HD Video
7 AUDIO	Stereo Audio Output (Left / Right)
8 DIGITAL AUDIO	Optical connection for 5.1 Surround Sound
9 HDMI	Connection for HD Video and Multi-Channel Audio
10 10/100 ETHERNET	Connects to wired network
11 USB 2.0	Connects other USB devices such as USB Flash Drive
12 POWER IN	Power connection to AC Adapter

Availability of certain features is dependent on your service provider.

REMOTE CONTROL



Button(s)	Description
1 POWER	Switches the power on/off for the currently selected device Switches STB to power on or standby mode
2 DEVICE CONTROL	TV: Select to control TV (if programmed) STB: This button is pre-programmed to control the Amulet Hybrid DVR AUX: Select to control another device (if programmed)
3 TRANSPORT KEYS	Controls video program for LIVE TV / DVR / VOD REPLAY: Plays back a few seconds REW: Rewinds video FF: Fast forwards video SKIP: Skips ahead in 30 second increments REC: Starts recording program PAUSE: Pauses video PLAY: Plays video or resumes a paused program STOP: Stops playback of video
4 SHORTCUT	Color-code buttons correspond to features that are enabled by your service provider (contact service provider for more details)
5 MENU	Displays on-screen menu or home screen
6 INFO	Displays on-screen information about the current TV / VOD / DVR program
7 NAVIGATION	ARROW KEYS: Navigates up, down, left and right within the on-screen guide or menus OK: Executes the currently selected menu option
8 EXIT	Exits the current menu item or back to LIVE TV
9 GUIDE	Displays the on-screen program guide
10 CH/PG	Changes channel up/down or goes page up/down within on-screen program guide
11 LAST	Changes channel to the most recently viewed channel
12 NUMBER KEYS	Allows direct access to specific channels and menu items
13 CC	Toggles closed captioning on or off
14 INPUT	Changes the current A/V input of the selected device programmed (i.e. TV or AUX) May be used when entering a period in certain channels Displays on-screen keyboard for certain applications
15 MUTE	Turns the volume of the currently selected device on/off
16 VOL +/-	Increases or decreases volume of the currently selected device
17 BACK	Goes back one level within menus *
18 OPTIONS	Provides additional options for certain on-screen menu or highlighted item*

* Availability of certain features is dependent on your service provider

CONNECTING VIDEO HDTV (High-Definition)

Select only one Video option, then proceed to TV Source

OPTION #1 (Recommended)

Connect via HDMI*



HDMI™

HIGH-DEFINITION MULTIMEDIA INTERFACE

Delivers the best video & audio quality via a single cable



Cable not included



*This connection provides both Video and Multi-Channel Audio. If you have selected HDMI for your Video then proceed to page 14.

OPTION #2

Connect via Component Video



Component Video

Delivers excellent picture quality



Cable not included



CONNECTING VIDEO SDTV (Standard-Definition)

Select only one Video option, then proceed to TV Source

OPTION #1

Connect via Composite Video

Use yellow cable for Video Connection
(If you selected HDMI, do not use this cable)

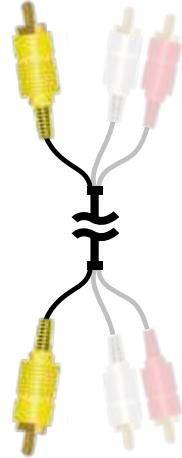


Composite Video

Delivers good picture quality



Cable included



CONNECTING VIDEO SDTV (Standard-Definition)

Select only one Video option, then proceed to TV Source

OPTION #2

Connect via Coaxial



Coaxial Cable

Delivers good picture quality



Cable not included



CONNECTING TV SOURCE CABLE OR ATSC ANTENNA

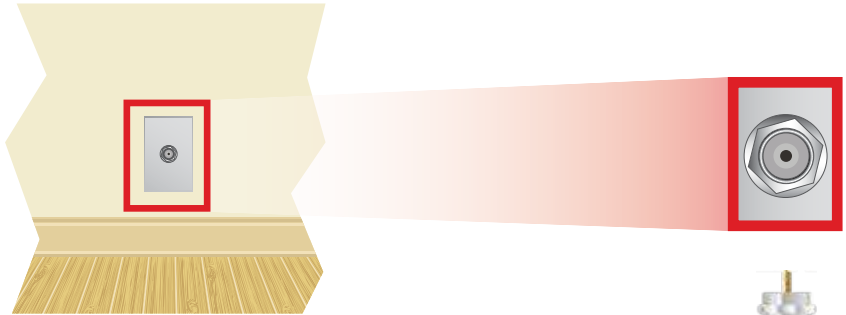
Select only one TV Source option, then proceed to Audio

OPTION #1

Connect to Cable TV Source using RF Coaxial Cable

OPTION #2

Connect to ATSC Antenna Source (Outdoor or Indoor Antenna)



Cable not included



CONNECTING AUDIO TV (Stereo)

Select only one Audio option, then proceed to Networking

OPTION #1

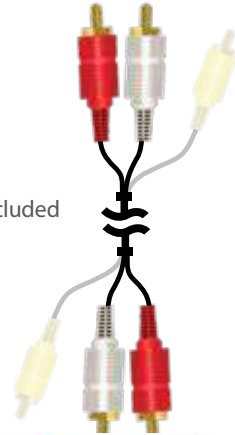
Connect to TV's Stereo Audio

Use red/white cables for Audio Connection if you selected Component Video, or Composite Video

(If you selected HDMI, do not use these cables)



Cable included



CONNECTING AUDIO A/V RECEIVER (Surround Sound)

OPTION #2

Connect to an A/V Receiver for Digital 5.1 Surround Sound

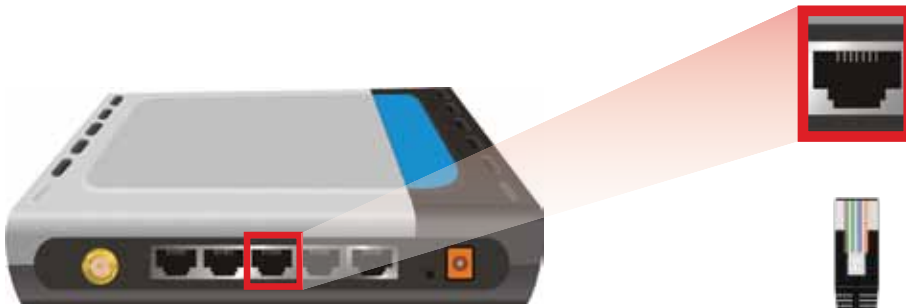


CONNECTING NETWORK WIRED

Select only one Networking option, then proceed to Powering up

OPTION #1

Connect to a Wired Network via DSL, Cable Modem or Network Router



Router not included

Cable included



CONNECTING NETWORK WIRELESS

OPTION #2

Connect to a Wireless Network via a Wireless Network Router or Access Point



Wireless Router not included



Attaching and adjusting the Antenna angle will help achieve better coverage and range.

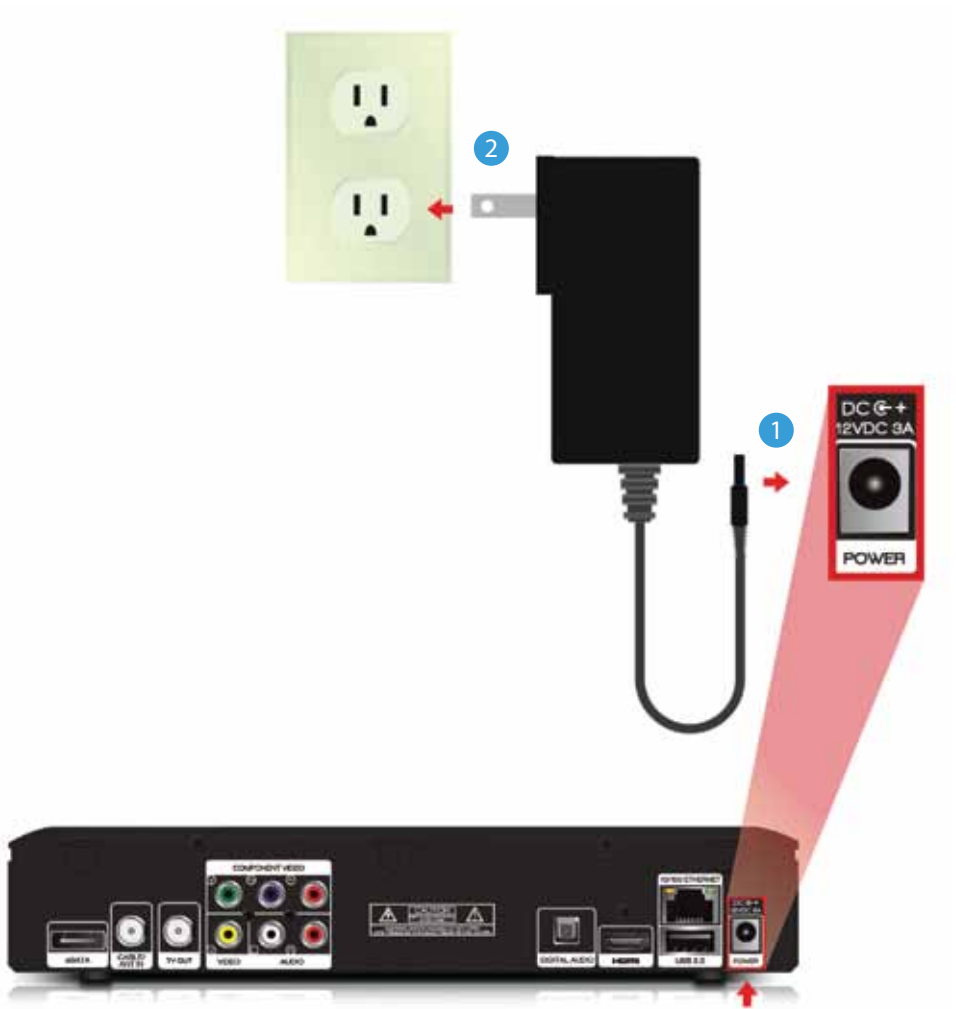
POWERING UP SETTING UP REMOTE CONTROL

1. Locate the two AA batteries and remote control in the accessory box
2. To open the battery cover, press down on the battery cover latch and slide it off
3. Insert the AA batteries, matching the "+" and "-" marks on the batteries to the "+" and "-" marks on the interior of the remote control
4. Snap the battery cover back onto the remote control








FINAL SETUP CONNECTING TO POWER SOURCE


1. Connect the power cord to the "POWER" connector on the back of the Amulet Hybrid DVR
2. Connect the AC power adapter to a power outlet
3. Press the power button on the front of the Amulet Hybrid DVR to turn unit ON
4. Follow the on-screen instructions



DECLARATION OF CONFORMITY

	<p>To ensure proper use of this product, please read this manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service location.</p>
 	<p>WARNING: This symbol indicates the presence of uninsulated dangerous voltage within the product's enclosure that constitutes a risk of electric shock. Do not open the product's case.</p> <p>CAUTION: This symbol indicates you must take care; there is risk of damage to the equipment or to yourself.</p>
 	<p>To prevent fire or shock hazard, do not expose this product to rain or moisture. To reduce the risk of electric shock, DO NOT remove the cover or back. No user serviceable parts are inside. For servicing refer to qualified personnel.</p> <p>Declaration of Conformity (United States Only)</p> <p>This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communication Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:</p> <ul style="list-style-type: none"> • Reorient or relocate the receiving antenna. • Increase the separation between the equipment and the receiver. • Connect the equipment to a different circuit from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help. <p>Part 68 - Compliance Registration</p> <p>This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. A label on the bottom of this equipment contains, among other information, the Ringer Equivalence Number (REN) and the product identifier. For products approved after July 23, 2001 the product identifier is in the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g. 03 is a REN of 0.3). The REN is used to determine the number of devices that may be connected to a telephone line. For earlier products, the REN is separately shown on the label. If requested, this number must be provided to the telephone company. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. This equipment is designed to connect to the telephone network or premises wiring using a compatible modular jack that is Part 68 compliant. An FCC compliant telephone cord and modular plug is provided with the equipment. If this terminal equipment causes harm to the telephone network, the telephone company may request you to disconnect the equipment until the problem is resolved. The telephone company will notify you in advance if temporary discontinuance of service is required. If advance notification is not practical, the telephone company will notify you as soon as possible. You will be advised of your right to file a complaint with the FCC if you believe such action is necessary. If you experience trouble with this equipment, do not try to repair the equipment yourself. The equipment cannot be repaired in the field. Contact your ISP for further instructions. The telephone company may make changes to their facilities, equipment, operations, or procedures that could affect the operation of this equipment. If this happens, the telephone company will provide advance notice in order for you to make the modifications necessary to maintain uninterrupted service. If your home has specially wired alarm equipment connected to the telephone line, ensure that the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer. This equipment cannot be used on public coin phone service provided by the telephone company. Connection of this equipment to party line service is subject to state tariffs.</p>

DECLARATION OF CONFORMITY (CONTINUED)

	<p>Declaration of Conformity (Europe Only) This product is in conformity with the Council Directives:</p> <ul style="list-style-type: none"> • EMC Directive 2004/108/EC • Low voltage Directive 2006/95/EC
 	<p>Canada Certification Notice</p> <p>ICES-003 Class B Notice This Class B digital apparatus complies with Canadian ICES-003. Avis NMB-003, Classe B Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada</p> <p>The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operations and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The department does not guarantee the equipment will operate to the user's satisfaction. This equipment meets the applicable Industry Canada Terminal Equipment Technical Specification. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment. The Ringer Equivalence Number (REN) is 0.0. The Ringer Equivalence Number that is assigned to each piece of terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.0. Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local Telecommunication Company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Connection to a party line service is subject to state tariffs. Contact the state public utility commission, public service commission, or corporation commission for information. If your home has specially wired alarm equipment connected to the telephone line, ensure that the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer. If you experience trouble with this equipment, do not try to repair the equipment yourself. The equipment cannot be repaired in the field and must be returned to the manufacturer. Repairs to certified equipment should be coordinated by a representative, and designated by the supplier. Users should ensure, for their own protection, that the electrical ground connections of the power utility, telephone lines, and internal, metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas. CAUTION: Users should not attempt to make such connections themselves, but should contact the appropriate electrical inspection authority, or electrician, as appropriate.</p>

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