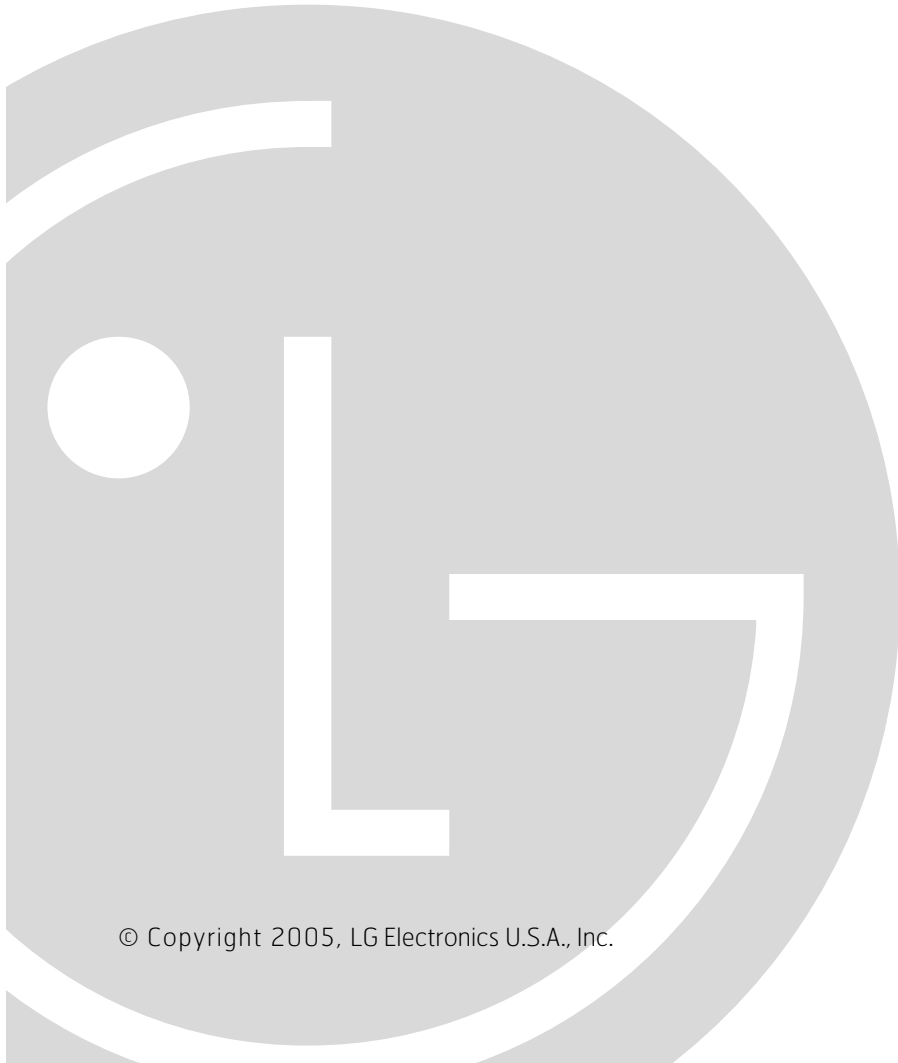


APPENDIX H
: USER'S MANUAL



**RJP-100M
Remote Jack Pack**

**Installation
& Setup Guide
Warranty**



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For Customer Support/Service, please call: **1-888-865-3026**
www.lgcommercial.com



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK - - USE ONLY INDOORS

ATTENTION:

RISQUE DE CHOCS ÉLECTRIQUE - - POUR INSTALLATION À L'INTÉRIEUR SEULEMENT

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

L'appareil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et de plus qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

REGULATORY INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Do not attempt to modify this product in any way (except as noted herein) without written authorization from LG Electronics U.S.A., Inc. Unauthorized modification could void the user's authority to operate this product.

COMPLIANCE:

The responsible party for this product's compliance is:
LG Electronics U.S.A., Inc., 2000 Millbrook Drive
Lincolnshire, IL 60069, USA • Phone: 1-847-941-8000.

Note: Design and specifications are subject to change without prior notice.

Marketed and Distributed in the United States by LG Electronics U.S.A., Inc.
2000 Millbrook Drive, Lincolnshire, IL 60069

Overview



The Remote Jack Pack (RJP) contains circuitry to determine the presence of a signal at each input jack.

(Note: The initial implementation only monitors the right audio input of each audio source.)

When a signal is detected, it's priority is compared to the priority of other sources which may be present. Control signals from the RJP to the display panel change state, if the new active source is of higher priority than the existing source, to direct the display panel to proper source.

Video and audio are monitored and switched independently.

Power is supplied to the RJP by the display panel via the control signal cable.

Overview (Contd.)

CLEANING CAUTION:



Since the end user jackpack is exposed, use extreme caution when cleaning. Do not use liquid cleaners on the connections panel. Do not allow liquids to be spilled, sprayed onto or otherwise come into contact with the connections panel on both the end user side and the installer side. Clean with a slightly damp cloth.



10 AMPS MAXIMUM TO ALL FOUR AC OUTLETS:

The maximum combined total current that is allowable to the 4 AC power outlets is 10 Amps. These are protected by a circuit breaker type re-settable fuse.

Introduction

Conveniently installed right in the room where guests will stay, the LG Remote Jack Pack, multi-media interface is available to end users to connect audio, video and computer devices to hear and view on the in-room TV display panel. The RJP-100M can be set up to interface with the TV display panel to show the image and/or sound from a portable DVD/CD Player, Camcorder, MP-3 Player, Notebook computer, or portable Video Game Player. Or, devices with digital video outputs such as DVD players. A USB-2.0 connection is available for future applications. If the end user does not connect any devices, then the in-room TV display panel will remain on the source selected. When the end user connects a device, the interface switches the TV display panel to the new source. Satellite radio may be available at some locations. Users can charge laptops or cell phones while watching TV.

The RJP-100M interface is designed to be able to process audio from one source, and video separately from a different source, if required. (A user can do work on a laptop PC and hear music from an MP-3 player.) However, only one audio and one video source can be heard/seen at the same time.

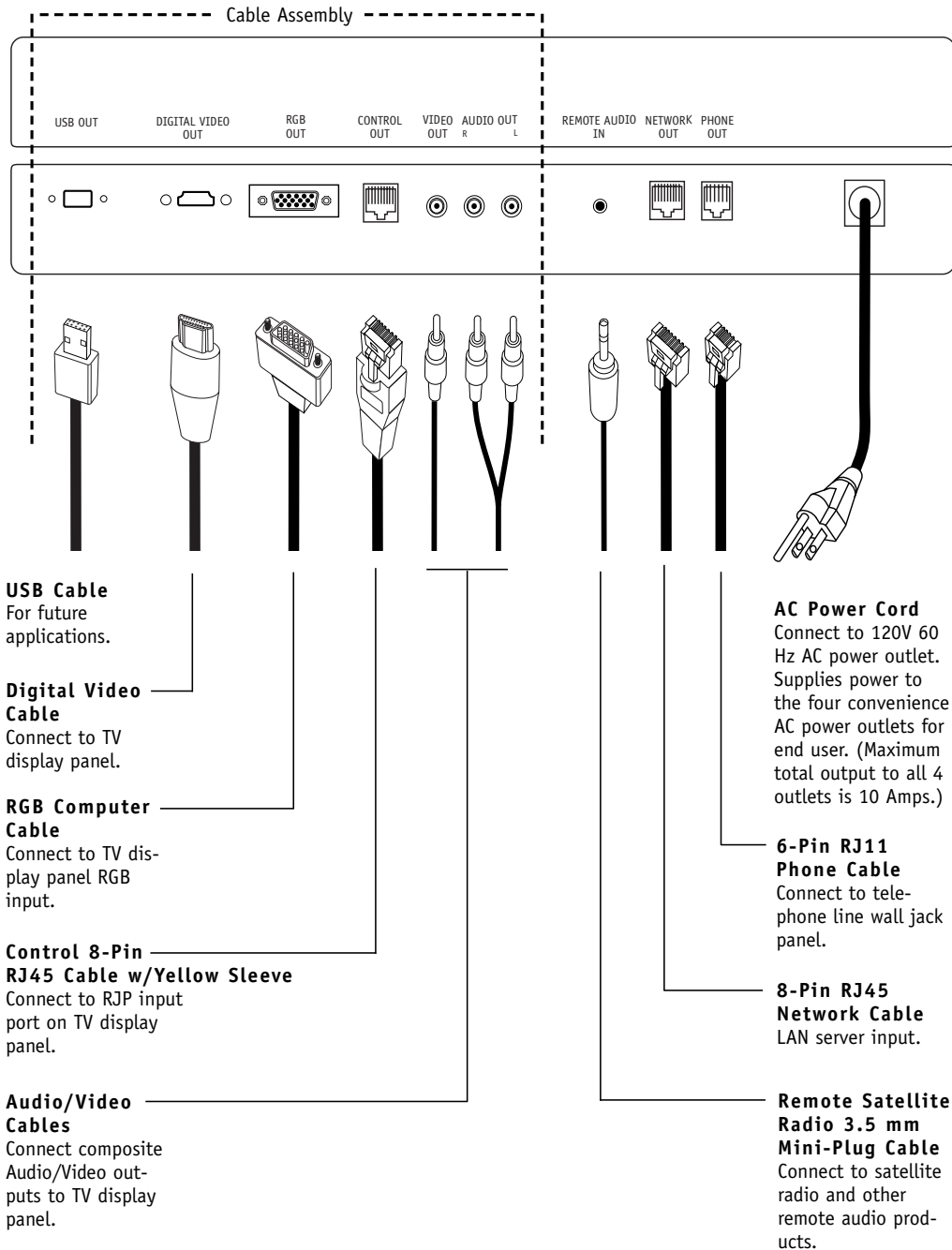
The user simply plugs the device's power cord into one of the four convenience AC power outlets provided on the RJP-100M. Turns the device on and the RJP-100M switches to the newly-connected audio and/or video source. No end user menus are involved, connections are made directly to the interface.

The RJP-100M continually monitors the signal of the source inputs. When a signal is detected, (a device is plugged into one of the source inputs) the interface sends a message to the TV display panel which then switches to the newly-connected source. The interface sends the audio and video so that it can be heard and seen on the TV display panel. 12-Volt DC power is supplied from the TV display panel to operate the interface via the control cable.

Installer Connections



CAUTION: Be sure power is turned off before attempting to connect remote jack pack to the TV display panel and in-room resources.



System Installation

Connect the multi-media interface to the TV display panel and other control devices (if applicable) using the output ports and jacks available on the back panel. A brief description of each connection available is provided below.

USB Output Port

For future applications--e.g., digital cameras and flash drives.

Digital Video Output

Connect to digital video input port on TV display panel to allow user to show DVD's high-resolution digital video on the in-room TV.

Computer RGB Output

Connect to RGB input port on TV display panel to allow user to show a PC/Laptop image on the in-room TV.

Control 8-Pin RJ-45 Output Port

Data link. Connection to TV display panel for control and power supply for interface.

Audio/Video Output Jacks

Connect to composite R-Audio-L / Video input on TV display panel.

Audio Mini Plug Input

Input connection for remote satellite radio source. Connect to satellite radio or any other remote audio source as needed.

8-Pin RJ-45 Output Port

Output port to allow access to local area network server if available. Allows the end user to access the LAN (local area network) of the institution.

6-Pin RJ-11 Output Port

Output port available for connection to telephone line wall jack panel. Using a computer modem, allows the end user to access the Internet through a local phone line.

AC Power Cord



Connect to standard 120V 60Hz AC power outlet.

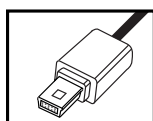
(Four 120 Volt 60 Hz AC power outlets are provided for the end user. However, 10 Amps. is the maximum output to all four AC power outlets.)

System Installation: Cables Required for RJP-100M



Note: Connector set near mesh sleeving hooks up to TV display panel.

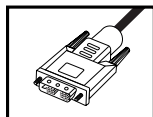
In order to use the remote jack pack, the TV display panel and the following cables will need to be connected to both the RJP-100M and resources available in room.



The following cables are included in the cable assembly bundle

USB 2.0 Cable

Typical "Mini-B" male, connect to USB host.



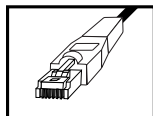
Digital Video Cable

Connect to high definition digital video input on TV display panel.



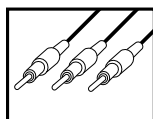
RGB Computer Cable

15-pin standard PC computer cable of sufficient length to connect interface to TV display panel.



8-Pin RJ-45 Cable (with Yellow Protective Sleeve)

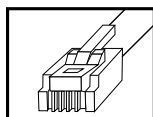
Connects to RJ-45 control input port on TV display panel. Display panel supplies DC power to operate RJP-100M.



Audio/Video Cables

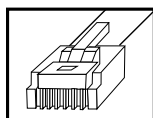
1-Set of standard composite R-Audio-L / Video cables to connect to TV display panel's composite audio/video input jacks.

The following cables are separate



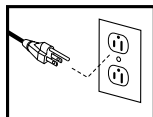
6-Pin RJ-11 Cable

1 cable of sufficient length for connection to room telephone line wall jack panel.



8-Pin RJ-45 Cable

1 cable of sufficient length to connect to RJ-45 wall LAN network jack, if available in hotel.



AC Power Cord

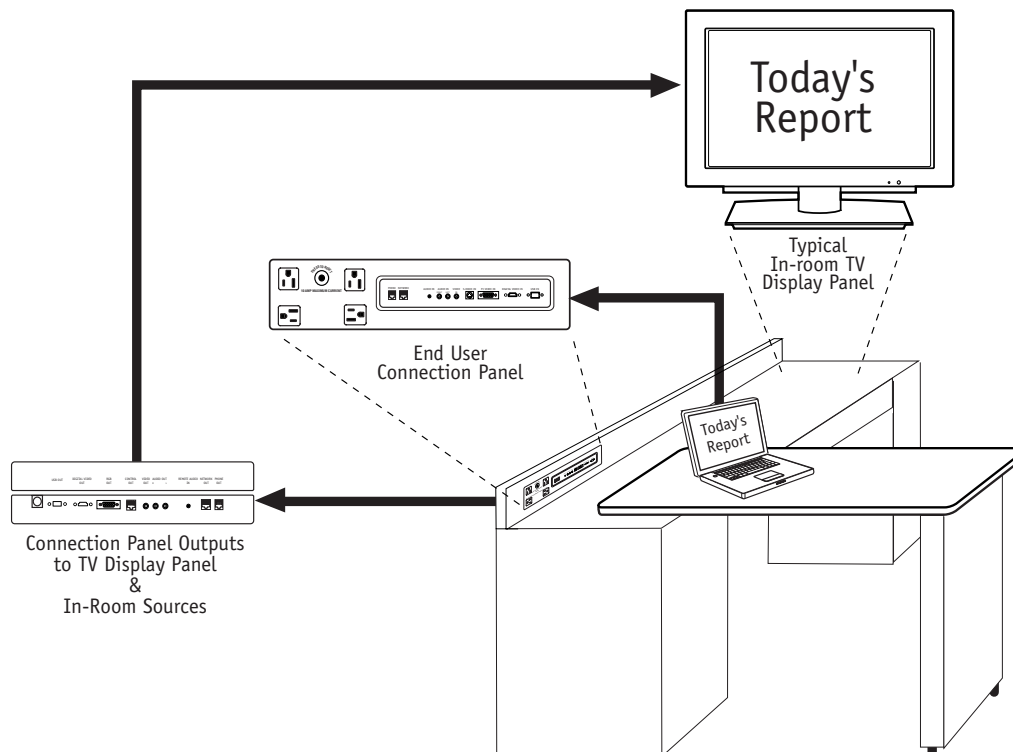
Connect to a standard 120V 60Hz AC power outlet.

End User Connections Overview

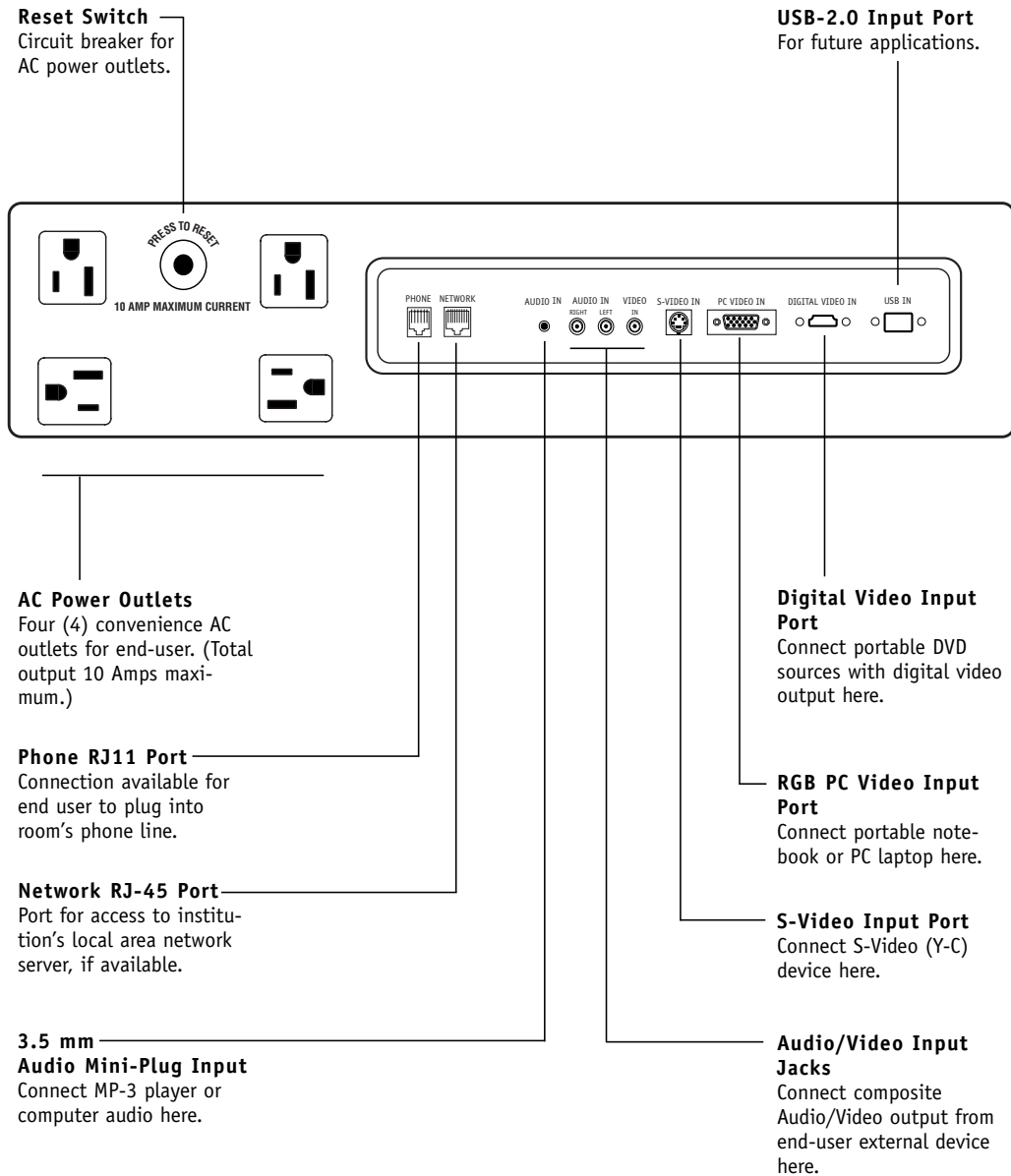
The end user simply plugs a device into the connection panel interface, such as a laptop PC as shown in the example below. The remote jack pack senses the connection and switches the TV to the new input source. The end user device's sound and image are then displayed on the TV display panel. The TV display panel adjusts automatically to the computer output format. When the laptop is disconnected, the interface allows the TV to revert back to the previous source for video and audio.

The end user has several audio/video format options available for connecting external devices. A user can connect a portable DVD Player, CD Player, Camcorder, MP-3 Player, Notebook computer, Portable Video Game Player etc. For added convenience, four AC power outlets are also available on the front of the interface to provide power for these external devices and/or recharge laptop or cell phone batteries. (The maximum load for all four is 10 Amps.)

A user could connect and hear audio from one device and connect and view video from a different device. Two stereo audio inputs are available that accept different audio plug formats. However, they are both internally connected to the same audio circuitry. Therefore, only the highest priority audio source can be heard.



End-User Multi-Media Interface Connections

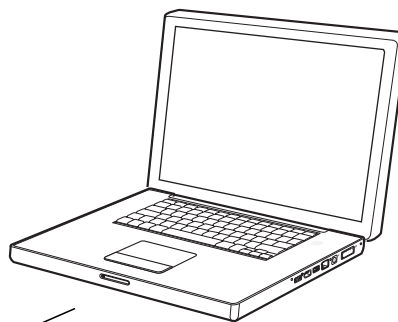


End-User Connectable External Source Devices

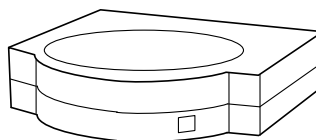
Examples of devices a user can connect are shown to the right. There are four AC power outlets available on the jack pack for added convenience.

The end-user can connect:

PC Laptop/Notebook Computers



Portable Video Game Players



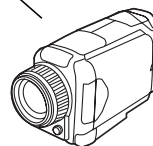
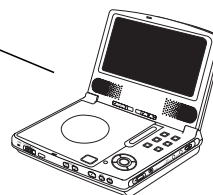
Portable DVD/CD Players

Camcorders

Digital Cameras

MP-3 Audio Players

USB Flash Drives
and other USB devices



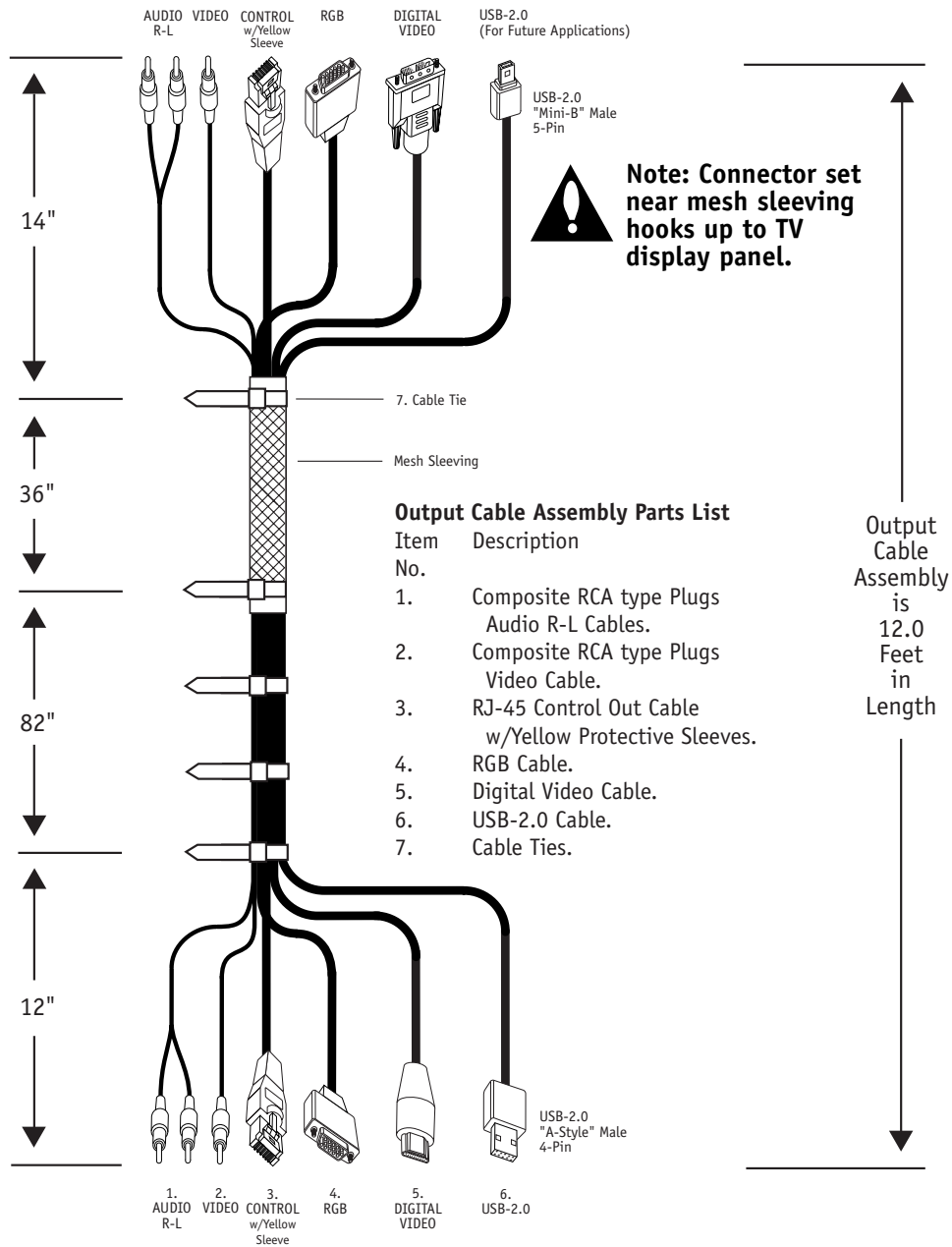
Digital Video Compatible

Note: The RJP-100M is digital video compatible. It is capable of interfacing with DVD players that have digital video output.

Reference

12-Foot Output Cable Assembly

Connect to Inputs on Display Panel



Connect to Outputs on RJP-100M Jackpack

Specifications

Application

Makes available to the hotel's guests, a multi-media interface to the in-room TV display panel and media resources. Jacks are provided for external portable devices such as DVD/CD Players, Laptop Computers, Camcorders, etc.

Dimensions

Height	4.10 Inches
Width	15.00 Inches
Depth	2.1 Inches

End-User Device Inputs

AC Outlets x 4	AC 120V 60Hz (Maximum 10 Amps. total output for all four AC outlets)
Phone	6-Pin RJ-11 Phone Jack
Network	8-Pin RJ-45 Communications Jack
Audio In	3.5mm Mini Plug
Audio In L-R	Left/Right Audio RCA Type Composite Jacks (Nom In: 250mV RMS @ 22K ohms) Overload In: 1.6V RMS Max
Video In	Video RCA Type Composite Jack 1 Vpp, 75 ohms
S-Video In	Y-C Connector Y=1 Vpp, 75 ohms. C=0.3 Vpp Color Burst, 75 ohms
PC Video In	RGB 15-pin VGA Type Computer Connector
Digital Video In	Digital Video Connector for digital video devices, e.g., DVD Players etc.
USB-2.0 In	USB Connector - USB-2.0

Environmental Parameters

Operating Temperature	0 to 40 Degrees Celsius (32 to 104 Degrees Fahrenheit)
Storage Temperature	-20 to 85 Degrees Celsius (-4 to 185 Degrees Fahrenheit)
Cooling	Free Air Convection
Humidity	10% to 90% Non-condensing

Specifications

Outputs to TV Display Panel & In-Room Resources

USB-2.0 Out	USB-2.0 Connector
Digital Video Out	Digital Video Connector Digital Video Specs. Ver 1.1, All ATSC Formats
RGB OUT	RGB 15-pin VGA Type Computer Connector
Control Out	8-Pin RJ-45 Communications Jack with Yellow Protective Sleeve
Video Out	1 Vpp into 75 ohms, Composite or Y+C Combined RCA Type Composite Video Jack +/- 1 db @ 4.2 MHz
Audio Out R-L	Right/Left RCA Composite Audio Jacks Max: 1.6 V RMS (1 KHz) @ 600 ohms, Typ: 250mV RMS @ 600 ohms
Remote Audio In	Audio 3.5 mm Mini Plug
Network Out	8-Pin RJ-45 Communications Jack
Phone Out	6-Pin RJ-11 Phone Jack

Regulatory

UL, FCC Class B, Digital Video Device

Supplied Accessories List

(Cable Assembly) Note: All cables within cable bundle are 12 feet in length.

USB-2.0 Cable

Digital Video Cable

15-Pin VGA-Type Computer Cable

8-Pin RJ-45 Control Cable

1-Set A/V Cables with RCA Type Plugs

(Separate Cables)

6-Pin RJ-11 Cable

8-Pin RJ-45 Network Cable

Reference

End User Audio/Video Input Priorities

Note: The Highest Priority is listed first

Audio Inputs/Sources

1. 3.5 mm Mini Plug Audio Input
2. L - R Audio RCA type Composite Jacks
3. In-room Satellite Radio Audio
4. TV Display Panel Tuner Audio
(Audio Default)

Video Inputs

1. Digital Video
2. RGB
3. S-Video
4. Video In RCA type Composite jack
5. TV Display Panel Tuner Video
(Video Default)

Direct Connections to Resources

- A. USB-2.0
- B. LAN RJ-45
- C. Phone RJ-11



Notes

LG RJP-100M Warranty

Remote Jack Pack Welcome to the LG family! We believe that you will be pleased with your new LG product. Please read this warranty carefully, it is a "LIMITED WARRANTY" as defined under Federal Law. This warranty gives you specific legal rights, and you may also have other rights that vary from state-to-state within the U.S.A.

LG'S RESPONSIBILITY

Service Labor	During a period of one year from effective warranty date, LG will provide service labor by an LG authorized service center when needed, as determined by the LG service center, as a result of manufacturing defects.
Parts	New or remanufactured replacements for factory-defective parts will be supplied by an LG authorized service center for one year from effective warranty date (color picture tube — two years). Such replacement parts are warranted for the remaining portion of the original warranty period.
Warranty Service	Warranty service is provided in the institution in most cases. (Some repairs may require the unit to be taken by the servicer to the repair facility and returned, at no additional charge.) Call 1-888-865-3026 for further information.
Not Covered	This warranty covers manufacturing defects and does not cover installation, adjustment of customer controls, installation or repair of antenna systems, cable converters or cable company-supplied equipment; it also does not cover damage due to misuse, abuse, negligence, acts of God or other causes beyond the control of LG. Any alteration of the product after manufacture voids this warranty in its entirety.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND LG SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST REVENUES OR PROFITS IN CONNECTION WITH THIS PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

OWNER'S RESPONSIBILITY

Effective Warranty Date	Warranty begins on the date of installation of the Multi-Media Interface. For your convenience, keep the dealer's dated bill of sale or delivery ticket as evidence of the purchase date.
Operating Guide	Read your Operating Guide carefully so that you will understand the operation of the TV and how to adjust the controls.
Antenna	Reception problems caused by inadequate antenna or faulty antenna connections are the owner's responsibility.
Warranty Service	For warranty service information, call 1-888-865-3026. Parts and service labor that are LG's responsibility (see above) will be provided without charge. Other service is at the owner's expense. If you have any problem in obtaining satisfactory warranty service, call 1-888-865-3026 . You must provide the model number, serial number and date of purchase or date of original installation. Before you ask for warranty service, read "Maintenance and Troubleshooting" in the operating guide. You might avoid a service call.

For Customer Support/Service
please call: **1-888-865-3026**
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