
xantech[®]

MODEL

XIS100

Integration Dock for iPod[®]

INSTALLATION INSTRUCTIONS

DESCRIPTION

Xantech's 'XIS100' docking station is the industry's first iPod docking station designed for the hi-resolution television revolution. It features a unique component video output capability that will enable owners of the new 480p video output iPods to see their video in full native resolution on a plasma, LCD, or other compatible TV screen with component video input. The 'XIS100' features a unique on-screen menu display and control system and is compatible with the latest iPod video technology.

KEY FEATURES

- Stand-Alone iPod Dock
- Stylish Remote with Hi-End Chrome Design
- Compatible with All Current iPods at the time of manual publication (for most up to date information please check www.xantech.com)
- Allows Menu Viewing and Control from Any Viewing Monitor (e.g. Plasma, LCD Projector etc.)
- Component Video and Composite Video Outputs
- IR and RS232 Controllable (long distance RS422 also available with optional adaptor)
- Touch Panel Support (with optional adaptor)
- Multi-Language Menu Support
- Direct IR Input on Rear
- Works as stand-alone, and with Xantech or other RS232 or IR controllers
- Album Art Display
- Metadata Support with Xantech SP touchpanel controllers and keypads
- Threaded Inserts for Secure Mounting in Public Places (M4x0.7, 8mm max.)

PACKAGE INCLUDES

- Component Video Cables
- Composite Video and Audio Left & Right Cable
- Power Supply with North America/Japan, Europe, UK, and Australia/New Zealand Adapters
- XIS100 Docking Station
- XIS100 Remote Control
- (2) 'AAA' Alkaline Batteries
- Instruction Manual

QUICK START

STEP 1:

Connect the XIS100 to the power supply and use the included A/V cable to connect to a composite video and audio amplifier. The XIS100 is preconfigured for composite video support.

Direct the handheld remote control to the XIS100 and press the 'power' button. The blue ring indicator light on the XIS100 will light 'on'. Be sure the remote control has batteries installed.

With a connected display and the XIS100 powered on, the screen on the right will appear indicating no iPod has been connected to the XIS100.

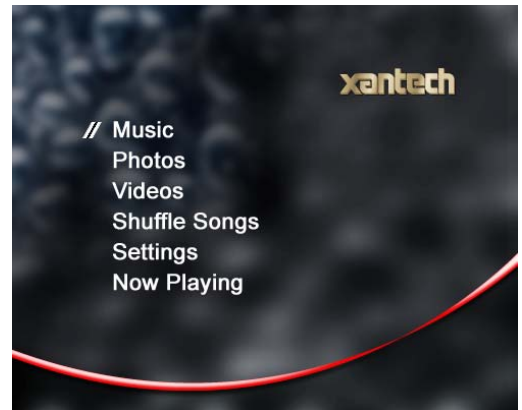


STEP 2:

Place the iPod into the docking well. Be sure to use the universal docking adapter for all iPod units. Move the clear rubber support cushion up or down the rails to provide support for your specific iPod. Once the iPod has been docked onto the XIS100, the screen on the right will appear showing the main menu options.

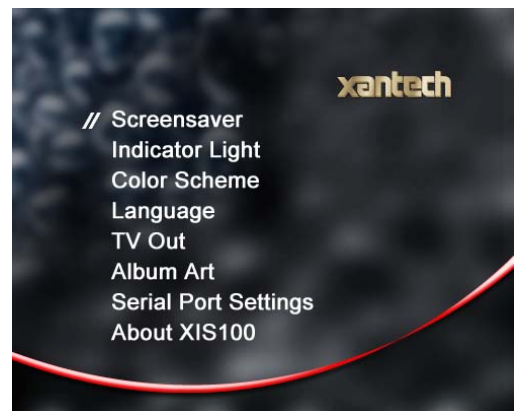
The menu is similar to the iPod menu and all functions can be selected using the remote control.

Some iPods do not allow full control in Video and/or Photo browsing modes. In such cases follow steps displayed on TV screen and use the iPod's controls to navigate the Video and/or the Photo folders.



STEP 3:

The 'settings' menu page is unique to the XIS100. On this page, the screensaver time out, behavior of indicator light, color scheme, and language can be changed. See "Settings Menu" for more information.



BASIC CONNECTIONS

The XIS100 is ready to be used right out of the box. Simply connect a power supply and determine if composite or component video is required. In all cases, the A/V cable must be used to provide left and right audio connections. In component video applications, the composite end on the A/V cable has no connection.



Figure A: COMPONENT VIDEO



Figure B: COMPOSITE VIDEO

NOTE 1: The XIS100 is shipped with composite video output selection. To change to component video, first connect the composite video output, then proceed through the 'settings' on the on-screen display. In the 'Settings' menu, select "TV Out" and then "Component" to set the XIS100 to component video output. Please remember that some iPods do not have a 480p video output, and therefore cannot output video via the XIS100's component outputs. If you use more than one iPod with XIS100 and would need to occasionally switch between composite and component video outputs, you will need to use two separate inputs on your TV and connect both composite and component outputs from your XIS100 to your TV. In this case, please use a pair of RCA Y-adaptors to connect left and right audio from XIS100 to both inputs of your TV. Other connection possibilities to utilize both video outputs without the use of Y-adaptors may be available depending on your TV or AV Receiver that XIS100 is connected to. Consult your TV or AV Receiver's manual for details.

NOTE 2: The XIS100 is shipped with its NTSC/PAL Video Format switch set to NTSC. NTSC is a video standard commonly used in North American and parts of Asia. PAL is a video standard commonly used in Western Europe and Australia/New Zealand and Asia. To change the settings, TURN THE UNIT OFF FIRST AND REMOVE CONNECTOR FROM DC IN. Then locate the switch on the back of the dock and set accordingly. Use the tip of a pen or a small screwdriver, and take care not to damage the switch. Re-connect DC IN. Wait 30 seconds and power on the XIS100 using the handheld remote.

If the NTSC/PAL switch is set in the incorrect position, it will result in poor to inoperable display.

REMOTE CONTROL



BUTTON CONTROL

MENU	Main Menu	Whenever pressing this button, you can go back to the Main Menu. With XIS100 in stand-by, pressing and holding this key for 5 seconds will reset all settings of the XIS100. The TV will display a confirmation screen.
	Power	Press it to power on and off.
	Select	When you decide to select a item, press it to enter or play it.
	Select UP/ DOWN	When you are in a menu, press them to go up and down and select what you want.
	Previous Page	Press it and you can return to the previous page.
	Next Page	Press it and you can enter the next page.
	Volume UP/ DOWN	Press them to adjust the volume.
	Previous Track	Press it to go back to the previous track.
	Next Track	Press it to go to the next track.
	Play/ Pause	Press it to play or pause the track.
MUTE	Mute	Pres to mute or un-mute audio.
REPEAT	Repeat	Press it once and the now-playing song will be repeated. Press it twice and the songs in the folder will be repeated. Press it again (for the third time) to deactivate.
SHUFFLE	Shuffle	Press it to “randomly” play the songs in the same folder. Press again to disengage.

BASE STATION – FRONT VIEW



BASE STATION

1	Dock Well	Connects to the iPod connector. Gently slide the iPod unit into the vertical connector and verify it is not tilted. Included with the XIS100 is a Dock Well adaptor for all iPod units.
2	IR Eye	Discreetly hidden is a front panel IR eye used to communicate with the XIS100 remote control. Be sure the remote control is pointing directly towards this lens.
3	Indicator Bar	The indicator bar lights up when the unit is on. The indicator bar can be disabled via the “settings” menu.

BASE STATION – REAR VIEW



BASE STATION

4	Video Format	This selector switch is used to select NTSC or PAL format. (See NOTE 2 on Page 6)
5	IR IN	Modulated IR. Connect to a Xantech IR bus system.
6	RS232/422	Connect to RS232 or RS422 communications devices. Use Xantech RS422 adaptors, sold separately, if needed (See Page 10). To change between 232 and 422, use the on-screen 'settings' menu.
7	Component Out	Component video output to be connected to a display.
8	A/V Output	Composite video and Left & Right Audio output Use included cable adaptor to break-out RCA connections. Audio output is always active. Composite and component video selection is made using the on-screen 'settings' menu. Only one video format can be active.
9	Power In	Power input using wall adapter power supply. 5VDC Xantech-supplied power supply only. Use of any other AC adaptor may damage the XIS100 and will void your warranty.

SETTINGS MENU

NOTE: The XIS100 will retain all its settings until they are changed again. To return the XIS100 to its default settings, place the XIS100 in standby (connected to a power supply, but not turned on). Point the remote towards the XIS100 and press and hold down the “MENU” button on the remote for more than 5 seconds. The XIS100 will acknowledge this reset by indicating so on the TV screen (composite or component output, whichever one that was last selected).

Screensaver:

The XIS100 can be set to have the screensaver turn on at several different times. The timing options are 30 seconds, 1 minute, 2 minutes, 5 minutes, 10 minutes, 20 minutes, and never. The use of a screensaver is highly recommended to protect the display over long term usage. The default setting is 30 seconds.

Indicator Light:

The XIS100 can be set to have its indicator light turn on for only 1 second after a command is executed, or to always stay on when the XIS100 is powered on.

Color Scheme:

Several color schemes are available in the XIS100 allowing customized settings to match a room’s décor. The color choices are green, blue, basic black, red, black, and touch pad. Touch pad is used for transparent overlays on touch screen controllers.

Language:

Eight languages can be used on the XIS100 OSD screen. After selecting “language”, pick the appropriate settings. (Japanese, French, German, Italian, Spanish, Dutch, Russian)

TV Out:

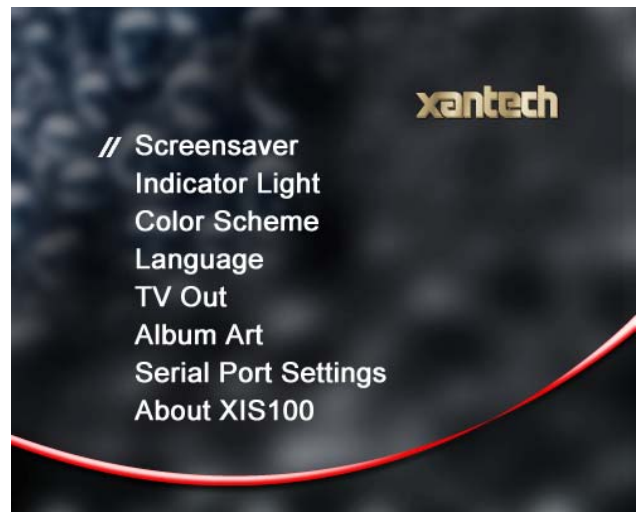
Determine if the video output should be ‘composite’ or ‘component’ video format. Only one video output is allowed at a time. The XIS100 is shipped with ‘composite’ video output setting. If your TV only offers a composite video input and you accidentally select component video on your XIS100, you will need to reset the XIS100 (see page 9 top portion).

Album Art:

Depending on user preference, the Album Art can be set to either ‘on’ or ‘off’. When set to ‘on’, the Album Art will display (only if Album Art is found on the iPod). And when set to ‘off’, no album art will be displayed.

Serial Port Settings:

The XIS100 is shipped with ‘RS232’ setting. The serial port can be set to RS232 or RS422. RS232 is standard usage for equipment located in the same room. For long distance, select RS422. Different baud rates are available for serial port communication. Select baud rates from 57.6 kbps, 19.2 kbps, or 9600 kbps. Default baud rate is 57.6 kbps.



About XIS100:

This selection will indicate the firmware version and any additional XIS100 information.

RS422 ADAPTORS

Part number	RJ45-to-DB9 Adaptor Description
06500833	Interfaces XIS100 to Xantech RS422232 RS422-to-RS232 Adaptor
06500834	Interfaces XIS100 to Xantech RS2321x8 Router and SP touchpanels

CONTROL COMMANDS – RC68X IR COMMANDS

	Key Definition	RC68X
1	Menu	80
2	Power	90
3	Up	20
4	Left	E0
5	Select	48
6	Right	A8
7	Down	08
8	Volume Up	F0
9	Volume Down	98
10	Play/Pause	10
11	Forward	A9
12	Rewind	89
13	Shuffle	68
14	Repeat	C8
15	Mute	38
16	Power On	C9
17	Power Off	E1
18	Component Video Output	00
19	Composite Video Output	C0
20	Artist	50
21	Album	D0
22	Genre	40
23	Song	A0
24	Photo	30
25	Video	B0
26	Enter Extended Mode	71
27	Exit Extended Mode	19

RC68+ Group Code set to "B9"

Xantech Limited Warranty

(Effective for products sold after July 1, 2006)

Xantech Corporation ("Xantech") warrants to the holder of a valid proof of purchase as the first end-user purchaser ("You"), its products to be free from defects in materials and workmanship for the periods specified below from the date of purchase. This limited warranty extends only to You for product purchased and used in the United States of America. For product purchased outside of the United States of America, You must contact the Xantech authorized distributor in your region for warranty services. Product is not intended for end user installation. If within the applicable warranty period above You discover such item was not as warranted above and You promptly notify Xantech in writing, Xantech shall repair or replace the items at its option. Xantech may elect which remedy or combination of remedies to provide in its sole discretion. Xantech may use functionally equivalent reconditioned/refurbished/pre-owned or new products or parts under this limited warranty. This warranty shall not apply (a) to product which shall have been installed by other than an authorized Xantech installer, (b) to installed product which is not installed to Xantech's specifications, (c) to product which shall have been repaired or altered by others than Xantech, (d) to charges for installation or set up or adjustment of customer controls, (e) to product that has suffered normal cosmetic deterioration (f) to product which shall have been subjected to negligence, misuse, abuse, accident, or damage by circumstances beyond Xantech's control, including, but not limited to, lightning, flood, electrical surge, tornado, earthquake, or any other catastrophic events beyond Xantech's control, or (g) to product which shall have been subjected to improper operation, connected equipment failure or malfunction, inadequate packing or shipping damage, maintenance or storage, or to other than normal use of service. The foregoing warranties do not cover reimbursement for labor, transportation, shipping, removal, installation, or other expenses which may be incurred in connection with repair or replacement. All claims for product shipping damage must be processed within 3 days of receipt by You.

A Xantech Return Authorization (RA) must be obtained from Xantech by You, your installer or your distributor for Product covered under this warranty. Covered product must be sent to Xantech together with proof of purchase, RA number, prepaid and insured to Xantech. Freight collect shipments will be refused. Risk of loss or damage in transit is borne by the sender. Xantech's warranty does not cover Products which have been received improperly packaged, altered, or physically damaged. Products will be inspected upon receipt.

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ATTENTION: TO OUR VALUED CONSUMERS

To insure that consumers obtain quality pre-sale and after-sale support and service, Xantech products are sold exclusively through authorized dealers and authorized distributors. The warranties on Xantech products are NOT VALID if the products have been purchased from an unauthorized dealer or distributor. In order to determine if your Xantech reseller is authorized, please call Xantech (800) 843 - 5465.

XANTECH PRODUCT (go to Xantech.com/warranty for model numbers)	WARRANTY DURATION
IR Receivers and IR Emitters	Limited Lifetime
Remote Control Switchers	Limited Lifetime
Modules and Connecting Blocks	Limited Lifetime
Accessories	Limited Lifetime
Speakers	Limited Lifetime
Volume Controls and Speaker Selectors	5 year Limited
DIGI-5, MRC, BX, ZPR and Commercial Products	2 year Limited
Amplifiers	2 year Limited
Control Interfaces	2 year Limited
Hand Held Remote Controls	1 year Limited
SPLCD Product	1 year Limited
Source Components, XIS100	1 year Limited

ADDITIONAL NOTES:

THREADED INSERT FOR INSTALLATION OF BASE UNIT IN PUBLIC PLACES:

- A) Remove the two race track shaped bump-ons from the bottom of the docking station to expose two threaded inserts.
- B) Use M4x0.7 machine screws (not supplied) to secure the XIS100 base unit in place.
- C) While screw length will be determined by mounting surface thickness, XIS100's maximum thread depth is 8mm.

CONTROL COMMANDS – RS232 SERIAL STRING COMMANDS

See document 08905193 – XIS100 Serial Protocol.

Please visit www.xantech.com and look for the XIS100 product page. At the bottom of the product page there will be a link to the document. A dealer login and password is required to access the XIS100 Serial Protocol document. If you are not a Xantech-authorized retailer, please contact your Xantech dealer for this information.

PRODUCT DIMENSIONS AND PACKAGE WEIGHT

BASE STATION	6" W x 4-1/4" D x 1-1/4" H (153 mm x 108 mm x 32 mm)
REMOTE CONTROL	6-1/8" L x 1-3/4" W x 5/8" H (156 mm x 45 mm x 16 mm)
PACKAGE WEIGHT	2.2 lbs (1.0 kg)

Xantech Corporation

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