
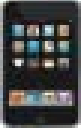
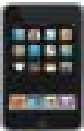























<u>Model</u>		<u>IW-20 Features</u>	<u>IW-21 Features</u>	<u>IW-22 Features</u>
		Charging Audio/ Unbalanced (NOT Upgradeable)	Charging Audio/ Unbalanced IR Control/ Remote Video/ Unbalanced Upgradeable (NO VIDEO GUI)	Charging Audio/ Balanced or Unbalanced IR Control/ Remote and IR Jack RS-232 Control Video/ Unbalanced (NO VIDEO GUI)
<b>iPhone</b>		<b>Compatibility</b>		<b>Compatibility</b>
	<b>4</b> 32 GB / 6-2010 16 GB / 6-2010	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>3G</b> 16 GB / 7-2008 8 GB / 7-2008	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 1</b> 16 GB / 6-2007 8 GB / 6-2007 4 GB / 6-2007	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video

<u>Model</u>		<u>IW-20 Features</u>	<u>IW-21 Features</u>	<u>IW-22 Features</u>
		Charging Audio/ Unbalanced (NOT Upgradeable)	Charging Audio/ Unbalanced IR Control/ Remote Video/ Unbalanced Upgradeable (NO VIDEO GUI)	Charging Audio/ Balanced or Unbalanced IR Control/ Remote and IR Jack RS-232 Control Video/ Unbalanced (NO VIDEO GUI)
<b>iPod Touch</b>		<b>Compatibility</b>		<b>Compatibility</b>
	<b>Gen 4</b> 64 GB / 9-2010 32 GB / 9-2010 8 GB / 9-2010	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 3</b> 32 GB / 9-2008 16 GB / 9-2008 8 GB / 9-2008	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 2</b> 32 GB / 2-2008	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 1</b> 16 GB / 9-2007 8 GB / 9-2007	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video

<u>Model</u>		<u>IW-20 Features</u>	<u>IW-21 Features</u>	<u>IW-22 Features</u>
		Charging Audio/ Unbalanced (NOT Upgradeable)	Charging Audio/ Unbalanced IR Control/ Remote Video/ Unbalanced Upgradeable (NO VIDEO GUI)	Charging Audio/ Balanced or Unbalanced IR Control/ Remote and IR Jack RS-232 Control Video/ Unbalanced (NO VIDEO GUI)
<b>iPod Classic</b>		<b>Compatibility</b>	<b>Compatibility</b>	<b>Compatibility</b>
	<b>Gen 2</b> 120 GB / 9-2008	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 1</b> 160 GB / 9-2007 80 GB / 9-2007	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
<b>iPod Photo</b>		<b>Compatibility</b>	<b>Compatibility</b>	<b>Compatibility</b>
	<b>Gen 2</b> 60 GB / 6-2005 20 GB / 6-2005 30 GB / 2-2005	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Composite/S-Video
	<b>Gen 1</b> 60 GB / 10-2004 40 GB / 10-2004	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Composite/S-Video

<u>Model</u>		<u>IW-20 Features</u>	<u>IW-21 Features</u>	<u>IW-22 Features</u>
		Charging Audio/ Unbalanced (NOT Upgradeable)	Charging Audio/ Unbalanced IR Control/ Remote Video/ Unbalanced Upgradeable (NO VIDEO GUI)	Charging Audio/ Balanced or Unbalanced IR Control/ Remote and IR Jack RS-232 Control Video/ Unbalanced (NO VIDEO GUI)
<b>iPod</b>		<b>Compatibility</b>	<b>Compatibility</b>	<b>Compatibility</b>
	<b>Gen 5</b>  80 GB / 9-2006 30 GB / 9-2006 60 GB / 10-2005 30 GB / 10-2005	<b>Charging-</b> Supported <b>Audio-</b> Supported	<b>Charging-</b> Supported <b>Audio-</b> Supported <b>IR Control-</b> Supported <b>Video-</b> Supports Composite/S-Video	<b>Charging-</b> Supported <b>Audio-</b> Supported <b>IR Control-</b> Supported <b>RS-232 Control-</b> Supported <b>Video-</b> Supports Composite/S-Video
	<b>Gen 4</b>  40 GB / 7-2004 20 GB / 7-2004	<b>Charging-</b> Supported <b>Audio-</b> Supported	<b>Charging-</b> Supported <b>Audio-</b> Supported <b>IR Control-</b> Supported <b>RS-232 Control-</b> Supported <b>Video-</b> Supports Composite/S-Video	<b>Charging-</b> Supported <b>Audio-</b> Supported <b>IR Control-</b> Supported <b>RS-232 Control-</b> Supported <b>Video-</b> Supports Composite/S-Video
	<b>Gen 3</b>  40 GB / 9-2003 20 GB / 9-2003 30 GB / 9-2003 15 GB / 4-2003 10 GB / 4-2003	<b>Charging-</b> Supported <b>Audio-</b> Supported	<b>Charging-</b> Supported <b>Audio-</b> Supported <b>IR Control-</b> NOT Supported <b>Video-</b> NOT Supported	<b>Charging-</b> Supported <b>Audio-</b> Supported <b>IR Control-</b> NOT Supported <b>RS-232 Control-</b> NOT Supported <b>Video-</b> NOT Supported
	<b>Gen 2</b>  20 GB / 7-2002 10 GB / 7-2002	Not Supported	Not Supported	Not Supported
	<b>Gen 1</b>  10 GB / 3-2002 5 GB / 10-2001	Not Supported	Not Supported	Not Supported

Model		IW-20 Features	IW-21 Features	IW-22 Features
		Charging Audio/ Unbalanced (NOT Upgradeable)	Charging Audio/ Unbalanced IR Control/ Remote Video/ Unbalanced Upgradeable (NO VIDEO GUI)	Charging Audio/ Balanced or Unbalanced IR Control/ Remote and IR Jack RS-232 Control Video/ Unbalanced (NO VIDEO GUI)
iPod Nano		Compatibility	Compatibility	Compatibility
	<b>Gen 6</b> 16 GB / 9-2010 8 GB / 9-2010	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 5</b> 16 GB / 9-2009 8 GB / 9-2009	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 4</b> 16 GB / 9-2008 8 GB / 9-2008	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 3</b> 8 GB / 9-2007 4 GB / 9-2007	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Component, Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Component, Composite/S-Video
	<b>Gen 2</b> 8 GB / 9-2006 4 GB / 9-2006 2 GB / 9-2006	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Composite/S-Video
	<b>Gen 1</b> 1 GB / 2-2006 4 GB / 9-2005 2 GB / 9-2005	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- Supports Composite/S-Video	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- Supports Composite/S-Video

<u>Model</u>		<u>IW-20 Features</u>	<u>IW-21 Features</u>	<u>IW-22 Features</u>
		Charging Audio/ Unbalanced (NOT Upgradeable)	Charging Audio/ Unbalanced IR Control/ Remote Video/ Unbalanced Upgradeable (NO VIDEO GUI)	Charging Audio/ Balanced or Unbalanced IR Control/ Remote and IR Jack RS-232 Control Video/ Unbalanced (NO VIDEO GUI)
<b>iPod Mini</b>		<b>Compatibility</b>		<b>Compatibility</b>
	<b>Gen 2</b> 6 GB / 2-2005 4 GB / 2-2005	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- NOT Supported	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- NOT Supported
	<b>Gen 1</b> 4 GB / 1-2004	Charging- Supported Audio- Supported	Charging- Supported Audio- Supported IR Control- Supported Video- NOT Supported	Charging- Supported Audio- Supported IR Control- Supported RS-232 Control- Supported Video- NOT Supported

## Charging

Charging is supported on all iPod models beginning with the release of the 3rd generation iPods in April 2003 to present including the new iPod Touch 3rd Gen, iPhone 4 and iPod Nano.

## Audio

- Unbalanced      All iPort models output unbalanced audio. Unbalanced audio is typically used if the iPort is in the same room as the A/V equipment. As a general rule, unbalanced audio can be sent up to 30 feet (9m). Beyond 30ft, line level audio should be balanced to minimize signal loss and noise pick-up.  
**Please note:**  
The IW-20 CANNOT be upgraded to work with the Balanced Audio Upgrade Kit P/N# 70130.  
The IW-21 can be upgraded to Balanced Audio with P/N# 70130.  
The IW-22 is supplied with the Balanced Audio components, including the Balanced Audio Sender Card and Balanced Audio Receiver Wall plate.
- Balanced      iPort recommends balanced audio for wire runs greater than 30 feet (9m). iPort's balanced audio can be sent up to 500ft. (152m). For wire runs over 250 feet, supplemental power should also be provided. Please refer to the IW2 Series Installation manual for more information.  
**Please note:**  
The IW-20 CANNOT be upgraded to work with the Balanced Audio Upgrade Kit P/N# 70130.  
The IW-21 can be upgraded, please use P/N# 70130.  
The IW-22 is supplied with the Balanced Audio Kit components.

## Video

- Unbalanced      Both the IW-21 and IW-22 are supplied with an unbalanced composite video wall plate . The Unbalanced Video break-out cable & wall plate create a composite video output. This output can be used to watch movies, music videos and photos. The video is content-only: No GUI  
**Please note:**  
The IW-20 is not video-capable.
- Balanced      iPort recommends using balanced video over wire runs greater than 30 feet (9m). Balancing the video signal will minimize noise and maintain signal integrity up to 500 feet.  
**Please note:**  
The IW-20 CANNOT be upgraded with the Balanced Video Kit P/N# 70131.  
The IW-21 and IW-22 can be upgraded using P/N# 70131.

## IR control

- Remote** IR 'Remote' control refers to the IR receiver located on the front of the iPort. The IR receiver will only control the iPort and does not pass IR commands to other components in the system. The iPort (EX-1) remote is discontinued as of 12.1.10. However, iPort IR codes can be downloaded and incorporated in learning remotes, such as Phillips Pronto, RTI and Universal. Please refer to [iportmusic.com](http://iportmusic.com) for a list of compatible remotes.  
**Please Note:** The IW-20 does not have a built in IR receiver and cannot be controlled by remote control.
- IR Jack** IR Jack refers to the 3.5mm IR mono-mini jack located on the Balanced A audio Receiver Wall Plate included with IW-22. The IR input jack can be connected to most IR repeater systems with a mono-mini cable.  
**Please Note:** The IW-20 cannot be upgraded to IR control.  
The IW-21 is not supplied with the Balanced Audio Wall plate which features the IR mono-mini jack; however it can be upgraded. Please use the Balanced Audio Upgrade Kit P/N# 70130. IW-22 is supplied with the Balanced Audio Receiver Wall plate.

## RS-232 Control

This refers to the RJ-11 jack located on the Balanced Audio Receiver Wall plate. This jack allows 2-way serial control from 3rd party control companies such as AMX, Crestron, Control4 etc. The IW-22 is supplied with a 2-meter DB-9 to RJ-11 cable for connecting the control system to the Balanced Audio Receiver Wall Plate.

Please Note:

The IW-21 can be upgraded to work with RS-232 control. This will require both the Balanced Audio Upgrade Kit P/N# 70130 and RS232 Upgrade Kit P/N# 70012.

**When the RS-232 control mode is 'full-time' (Micro-switch on Main Board set to Enable, IR control is limited to the following commands; Play/Pause Toggle, Next Track, Previous Track, Volume + and Volume - (Volume commands only work when the Main Board is set to variable)**

**All other IR commands will not function.**

**If you need technical assistance please call iPort tech support at  
(888) 45-iPort / (888) 454-7678.**