



iPlayer 3

A compact DMX control solution with advanced light show authoring features

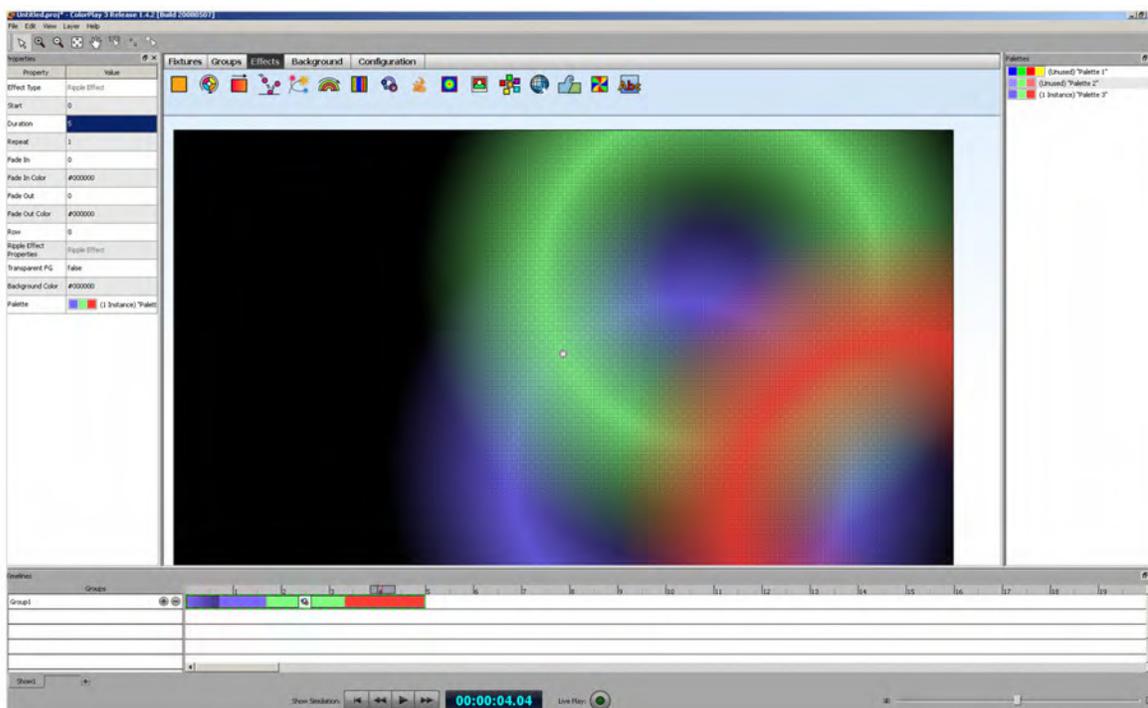
PHILIPS

iPlayer 3

A compact DMX control solution with advanced software functionality

iPlayer® 3 controller is a compact yet powerful show storage and playback device capable of delivering light shows to installations with up to 340 unique light addresses. Packaged with ColorPlay® 3 light show authoring software, iPlayer 3 is designed to add new levels of sophistication to your installations while eliminating the need for expensive lighting boards and technical programming expertise.

- Easy to use — With onboard factory preset shows, custom show-authoring capabilities, an intuitive LCD interface, built-in light addressing features, and removable SD card storage, iPlayer 3 enables you to spend more time on the creative aspects of lighting design and less time on setup.
- Packaged with ColorPlay 3 light show authoring software — ColorPlay 3 gives you the flexibility to create and manage light shows using fully customizable effects, multi-track editing, effect stacking, and custom transition styles.
- Designed for use with the optional Controller Keypad — Controller Keypad is a wall-mounted user interface providing instant push-button playback of up to eight light shows.
- Supports the optional AuxBox expansion device — AuxBox automatically triggers up to eight iPlayer 3 light shows using any remote triggering device with a dry-contact closure. Via the AuxBox, you can trigger light shows by motion sensors, 3rd party control or sensor systems, and more.
- Control two DMX universes — iPlayer 3 has two DMX output ports, each controlling a DMX512 universe of 170 unique light addresses.
- Automate show playback — Set alarms to automatically trigger show playback based on a specific date, day of the week, weekdays, weekends, or an astronomical event, such as sunrise or sunset.



Design, Store, and Play Light Shows

iPlayer 3 factory preset light shows get you started.

Enhance your shows using ColorPlay 3 visual effects and timeline editing features.

Set up fixture groups to enable simultaneous playback of multiple effects at the same time.

Link together a sequence of shows within a single ColorPlay project to create a sophisticated presentation.

ColorPlay 3 Light Show Authoring Software

Smith Campus Center, Pomona College

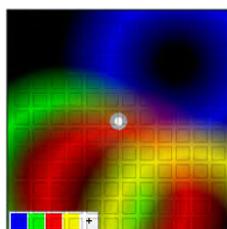
How better to reinvigorate a dark and uninviting space than with dynamic color-changing light. Philips LED lighting proved just that as part of a major renovation of Pomona College's Smith Campus Center, intended to be the social hub for students.



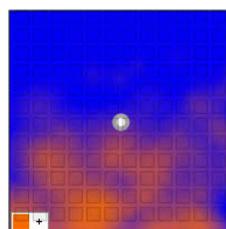
What's in a ColorPlay Light Show

A light show is a set of digital instructions orchestrating how and when your installation produces visual effect. Whether your light show is as simple as one fixture displaying a single color, or as complex as dozens of fixtures each with a unique effect or layers of effects, the goals are the same: to create mood, interest, and impact.

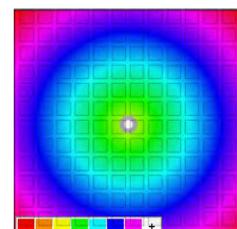
ColorPlay provides 16 fully customizable effects, including the following:



Ripple



Particle



Burst



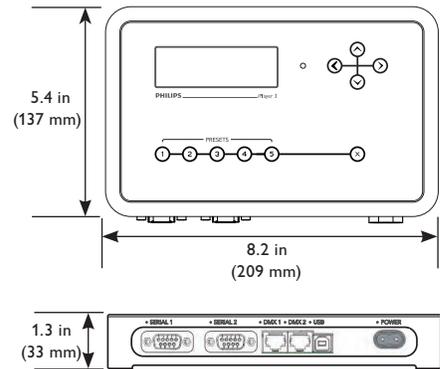
For complete instructions on how to design unique light shows, refer to the ColorPlay 3 User Guide, available on the software CD or visit www.colorkinetics.com/lis/controllers/iplayer3

ColorPlay offers multiple techniques for editing the appearance and behavior of an effect — you can adjust basic size and shape settings, create unique color palettes, specify transitions, and more. ColorPlay provides you with the flexibility to design light shows based on your creative vision.

Specifications

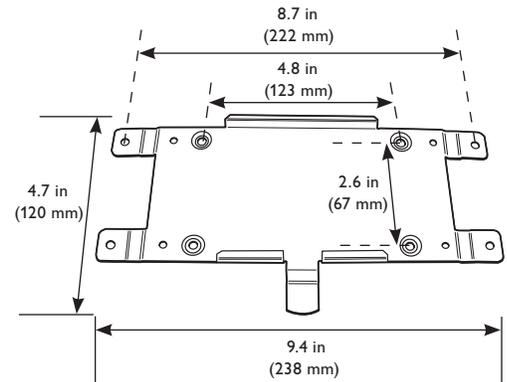
Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
Electrical	Input Voltage	100 – 240 VAC, 50 – 60 Hz, 5 W
Control	Computer Interface	USB 2.0
	External / Auxiliary Interface	Two DMX512 RJ45 ports Two RS-232 9-pin serial ports
	Data Storage	Removable Secure Digital Card drive (256 MB Card included)
Physical	Dimensions (Width x Depth x Height)	8.2 x 5.4 x 1.3 in (209 x 137 x 33 mm)
	Weight	1.2 lb (0.54 kg)
	Housing	Polycarbonate
	Operating Temperature	14° – 104° F (-10° – 40° C)
	Humidity	0 – 95%, non-condensing
Certification and Safety	Certification	UL / cUL, FCC Class B, CE
	Environment	Dry Location, IP20



Software Requirements

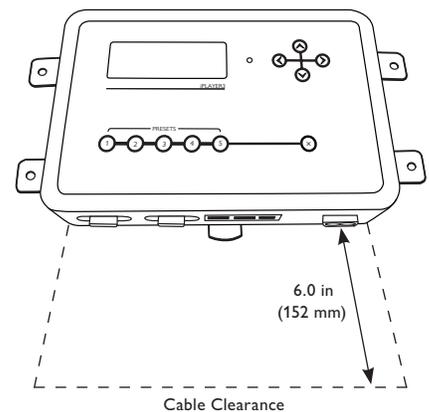
System Requirements	Specification	PC	Mac
OS		Windows® 2000 / XP / Vista	Mac OS 10.4 or greater
Hardware	CD Drive	CD-ROM or DVD drive	CD-ROM or DVD drive
	Memory	512 MB RAM	512 MB RAM
	Disk space	60 MB free disk space	60 MB free disk space



iPlayer 3 and Accessories

Item	Type	Item Number	Philips 12NC
iPlayer 3	North America Power Cord	103-000019-00	910403327101
iPlayer 3	Europe Power Cord	103-000019-01	910503700392
Controller Keypad	RS-232 9-pin serial	103-000020-00	910503700223
AuxBox	RS-232 9-pin serial	103-000021-00	910503700224

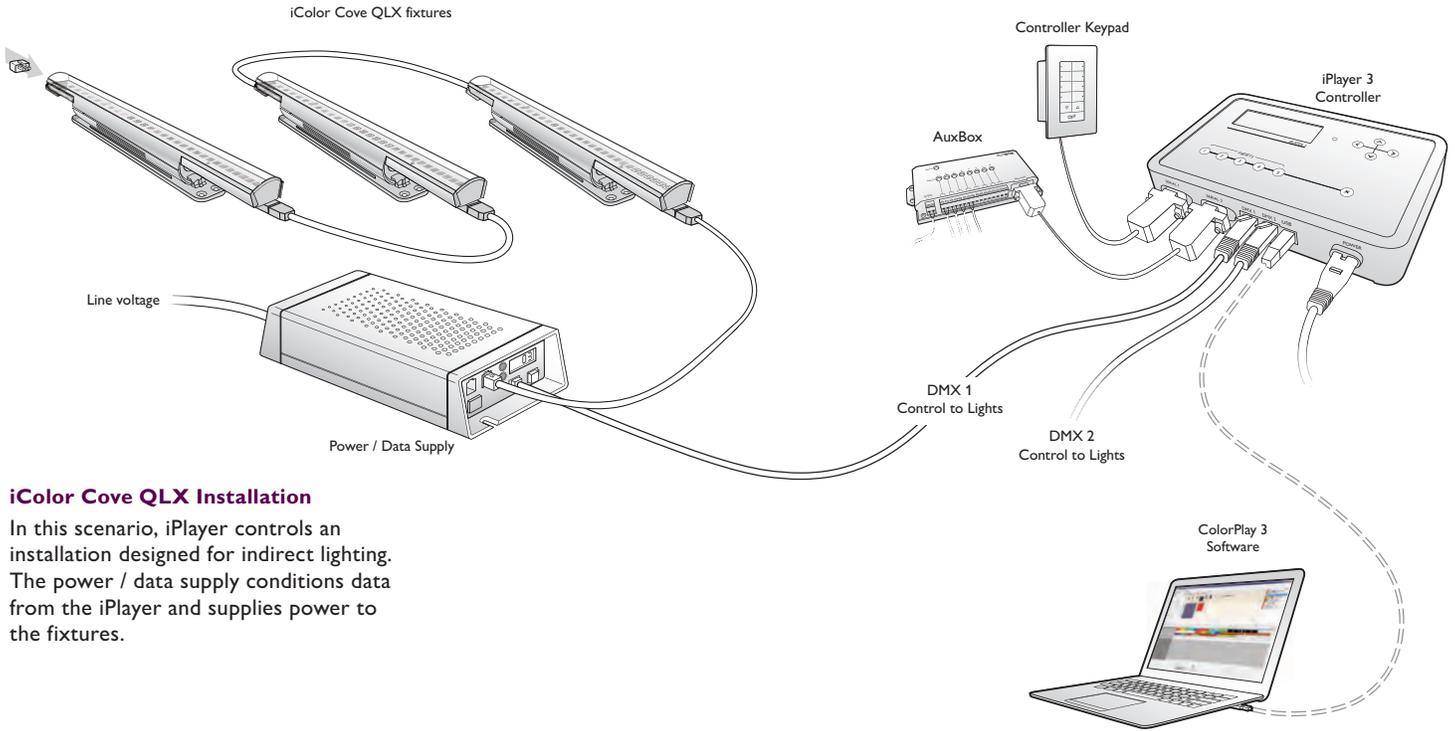
Use Item Number when ordering in North America.



Typical Installation Configuration Examples

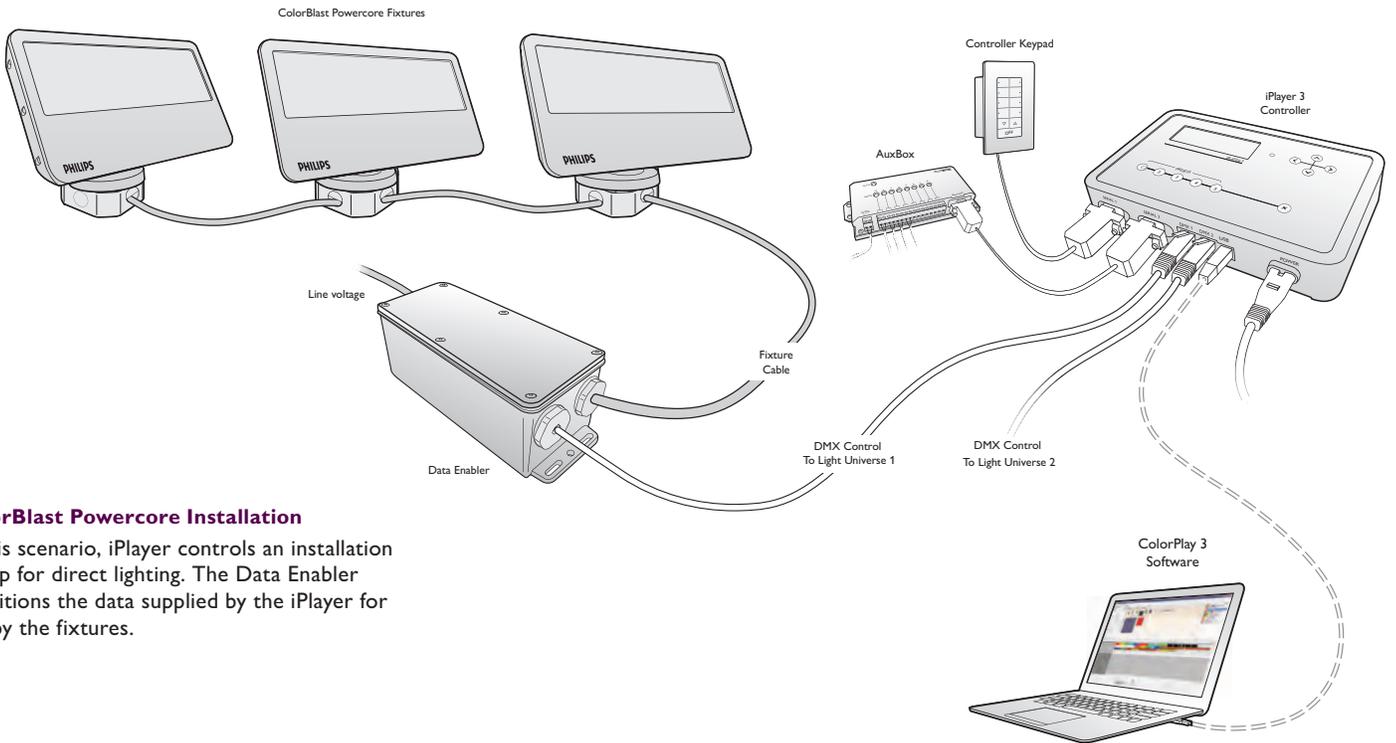
For detailed wiring diagrams, visit www.colorkinetics.com/wiring/ls_prod.html/

The following installation scenarios depict two typical lighting installations, each controlled via iPlayer 3.



iColor Cove QLX Installation

In this scenario, iPlayer controls an installation designed for indirect lighting. The power / data supply conditions data from the iPlayer and supplies power to the fixtures.



ColorBlast Powercore Installation

In this scenario, iPlayer controls an installation set up for direct lighting. The Data Enabler conditions the data supplied by the iPlayer for use by the fixtures.

Prepare for the Installation

Owner / User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate the iPlayer 3 controller in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with an appropriate electrical inspector to ensure compliance.

Create a Lighting Design Plan and Mapping Grid

- Create a lighting design plan that specifies the appropriate location of each Data Enabler or power / data supply in relation to the fixtures, and fixtures in relation to each other.
- On an architectural diagram or other diagram that shows the physical layout of the installation, identify the locations of all switches, controllers, power / data supplies, leader and jumper cables, and fixtures.
- Select a convenient but unobtrusive location for mounting the iPlayer that will be accessible to a computer via USB connection. If also installing external show selection switches such as Controller Keypad or AuxBox, mount the iPlayer in a location accessible to the maximum serial cable length of 50 ft (15.2 m).
- Verify that the iPlayer mounting location meets environmental specifications for operating temperature range and maximum relative humidity (see page 4).
- Each Philips fixture comes pre-programmed with a unique serial number. As you unpack the fixtures, record the serial numbers in a mapping grid (typically a spreadsheet or list) for easy referencing and light addressing. You can set light addresses using an addressing tool, such as iPlayer 3 itself, or in conjunction with a software tool, such as iPlayer 3 SAS or SmartJack Pro.
- Assign each fixture to a position in the lighting design plan.

Controller Keypad and AuxBox are packaged with a standard 20 ft (6.1 m) serial cable. Custom serial cable lengths up to 50 ft (15.2 m) are supported.

Understanding Light Addresses

Each fixture in your installation has a light address (sometimes referred to as a DMX address). For light show designs with the same color displayed simultaneously on all fixtures, changing each fixture's factory default light address is not necessary. However, if the light show design specifies different colors on different fixtures, then you must reconfigure each fixture with a unique light address.

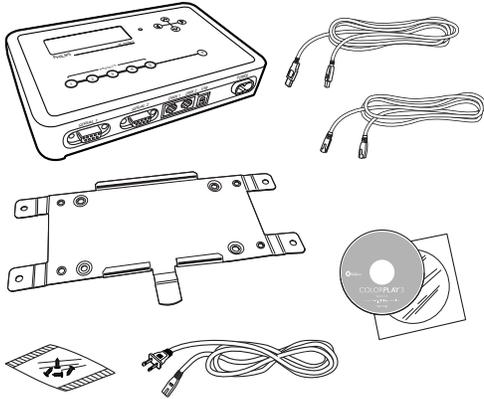
Most non-Chromatic fixtures come pre-addressed to light address 1. Manually re-address your fixtures, as needed, using a tool as described above.

Chromatic® fixtures are addressed to light address 1 through light address n , the number of nodes per fixture. If a starting address different from 1 is required, use iPlayer 3 SAS or SmartJack Pro to enter a base address for the first node, and the remaining nodes will address automatically in sequential order.

Start the Installation

1. Install all data enablers or power supplies and fixtures, including any interfaces with controllers. If your installation calls for jumper cables to add space between fixtures, make sure they are available.
2. Address your fixtures using an addressing tool, such as iPlayer 3 SAS or SmartJack Pro.
3. Ensure that all additional parts, including mounting hardware and tools, are available.

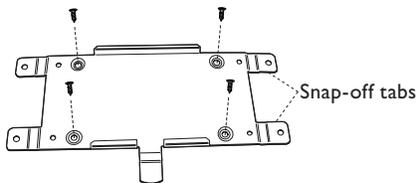
Install iPlayer 3



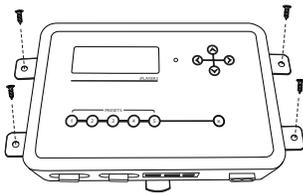
1. Confirm all components received

Take a moment to confirm you have received these iPlayer 3 components:

- iPlayer 3
- Mounting bracket
- Mounting bracket screws
- Power cord (North American or European)
- USB 2.0 cable
- RJ-45 DMX512 data cable
- ColorPlay 3 software CD
- Installation Instructions
- Quick Start Guide



Quick-release method



Secure method

2. Install mounting bracket

Choose a method for mounting bracket installation: quick-release or secure.

Quick-release mounting method

a) With the release tab pointing downward, screw the mounting bracket onto a surface using the innermost screw holes. The outer mounting tabs will not be used and may be snapped off, if desired.

b) Slide iPlayer onto the mounting bracket until the iPlayer clicks securely into place.

Secure mounting method

a) Slide iPlayer 3 onto the mounting bracket until the iPlayer clicks securely into place. Using the supplied machine screws, secure the mounting bracket to iPlayer.

b) Using the outermost screw holes, install the mounting bracket and iPlayer assembly onto a surface. Secure with screws suitable for mounting substrate.

3. Attach power cable

4. Install ColorPlay 3 software

Windows® Installation

a) Insert the ColorPlay 3 Software CD into the CD- or DVD-ROM drive.

b) Double-click Install ColorPlay 3.exe, located in the Windows folder on the ColorPlay 3 software CD.

c) The Welcome to the ColorPlay 3 Setup Wizard window appears. Click **Next** to begin the installation. After reading the license agreement, select **I Agree** to consent to the terms of the license agreement, then click **Next** to continue.

d) When the Select Installation Folder window appears, accept the default location, or click **Browse** to select a folder. Click **Next** to continue.

e) At the Confirm Selection window, click **Next** to start installation.

f) The Installation Complete window appears. Click **Close** to exit the wizard.

Mac OS Installation

a) Insert the ColorPlay 3 Software CD into the CD-ROM / DVD drive. The ColorPlay 3 folder icon appears on your desktop.

b) Drag the ColorPlay 3 application icon from the Mac folder on the software CD to the Applications folder on your computer.



5. Connect computer with USB cable

If using Windows, you must install ColorPlay 3 prior to connecting iPlayer 3 to your PC. iPlayer 3 installs the device drivers required for USB connectivity.

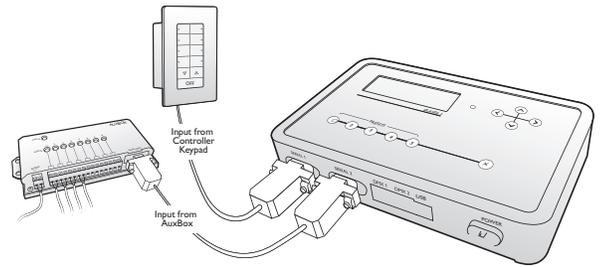
6. Attach external show selection devices, as required

Connect a Controller Keypad

- a) Unplug the power cord from the iPlayer.
- b) Connect the cable end with the 4-pin leads into the back of the Controller Keypad.
- c) Connect the cable end with the DB9 cable connector to serial port 1 or 2 on the iPlayer.
- d) As needed, set the Range switch position on the back of the keypad. By default, switch position 0 (zero) sets the keypad to trigger shows 1 – 8.
- e) Reconnect the power cord to the iPlayer.

Connect an AuxBox

- a) Unplug the power cord from the iPlayer.
- b) Connect the female end of the serial cable to the AuxBox serial port.
- c) Connect the male end with of the serial cable to serial port 1 or 2 on iPlayer 3.
- d) As needed, set the Range switch position on the front of the AuxBox. By default, switch position 0 (zero) sets the AuxBox to trigger shows 1 – 8.
- e) Connect each external triggering device's two-wire cable to a terminal pair on the AuxBox.
- f) Connect the 24 VDC power cable to the 24 VDC terminals on the AuxBox, then plug it in.
- h) Reconnect the power cord to the iPlayer.



7. Connect Lighting Systems with RJ-45 Cable

Each DMX output port controls 170 individual light addresses:

- DMX port 1 controls light universe 1 (light addresses 1 – 170). Use DMX port 1 for single-universe installations.
- DMX port 2 controls light universe 2 (light addresses 1 – 170).

8. Firmware Update

The iPlayer 3 firmware image is periodically updated to improve system performance and functionality. If your iPlayer is not running the most recent firmware version, it is recommended that you update to maximize system performance. The most recent firmware version can be downloaded from www.colorkinetics.com/support/iplayer3/.

1. Launch Configuration Mode by pressing  on the iPlayer faceplate.
2. Access the *Info* menu, then select **Version**. The screen should display the firmware version in the form v01.00xx b00001
3. If the “xx” value is a lower number than the most recent image on the website, follow the update procedure in the *iPlayer 3 User Guide*.