AXiS

English 🇬🇧

Français 🇫🇷

Deutsch 🇩🇪

Italiano 🇮🇹

Made for
📱 iPod 📱 iPhone

REVO

Technical Support

If you encounter any problems using AXiS, please refer to the troubleshooting section on pages 32 – 33 of this owner's guide.

If a problem persists, please call Revo Technical support on:

01555 66 61 61
from within the UK

+44 1555 66 61 61
from outside the UK

Alternatively, email **support@revo.co.uk** or visit the troubleshooting section of our website at: **www.revo.co.uk/support**

Warranty

Revo Technologies Ltd warrants to the end user that this product will be free from defects in materials and workmanship in the course of normal use for a period of one year from the date of purchase. This guarantee covers breakdowns due to manufacturing faults and does not apply in cases such as accidental damage, general wear and tear, user negligence, modification or repair not authorised by Revo Technologies Ltd.

To register your purchase please visit **www.revo.co.uk/register**

Environmental Information

RoHS Compliance and CE Mark   C€ **RoHS** COMPLIANT ✓

This product has been designed to comply with international directives on the Restriction of Hazardous Substances (RoHS) and has been designed and type-tested to comply with EU requirements and carries a CE mark.

Safety Warnings ⚠

• Do not operate this radio near water
• Do not remove screws or casing parts
• Use only the power supply unit supplied
• Avoid small objects and liquids from entering the product

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Product Disposal Instructions (WEEE Directive)

The symbol shown here and on the product means that AXiS is classed as Electrical or Electronic Equipment and should not be disposed with other household or commercial waste at the end of its working life.

The Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC) has been put in place to recycle products using best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid the increasing landfill. For more information, please contact your local authority or the retailer where the product was purchased.

Revo Technologies Ltd				
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	email	**enquiries@revo.co.uk**	website	**www.revo.co.uk**

Contents

Welcome

Thank you for purchasing AXiS. We are sure that it will provide you with years of enjoyment and reliable service.

This guide has been designed to quickly get you up and running with your radio, offer guidance on the product's features and provide information on operation, safety, warranty details and troubleshooting.

Unpacking AXiS

Carefully remove your AXiS from its packaging and remove the other items from the box.

The box should contain the following:

• AXiS touchscreen radio
• iPod dock adapter kit (6 pieces)
• Multi-region power supply unit
  (With adaptors for UK, Europe and USA)
• Operating guide
• Warranty Card

If any items are missing or damaged, please contact your point of purchase or call Revo directly on +44 (0) 1555 66 61 61

Note: Please retain AXiS's packaging for possible future use, it's the safest way to transport AXiS if that proves necessary.

Introducing AXiS

AXiS is a cutting-edge, multi-format digital audio system, featuring Wi-Fi internet streaming capabilities and an innovative, colour touchscreen interface.

As well as tens of thousands of internet radio stations and podcasts, AXiS allows you direct access to the online music recommendation service Last.fm where available. You can also use AXiS to receive DAB, DAB+ and FM radio broadcasts, wirelessly stream your music collection from PC or MAC, or play audio from external sources via auxiliary input. AXiS also has an integrated dock to provide charging and playback for your iPod or iPhone. AXiS can also be used as a fully programmable alarm clock.

AXiS incorporates NXT's patented Balanced Radiator loudspeaker technology, powered by an 8 Watt class D amplifier, to provide fantastic, room-filling stereo sound.

Your Versatile Radio Hub

AXiS is already very useful on its merits as a digital receiver, iPod/iPhone dock and auxiliary player. Connected to a wireless broadband network however, is where it really shines...

AXiS will automatically seek out available wi-fi networks wherever you are. Even without a computer, you can access the huge range of stations and podcasts available via internet radio.

By adding a computer or networked storage device to the mix, AXiS can stream audio, providing access to your music collection in any part of the home or work environment.

As a standalone device, AXiS is an accomplished DAB, DAB+ and FM receiver, along with its functions as an iPod docking station and alarm clock.
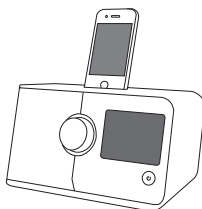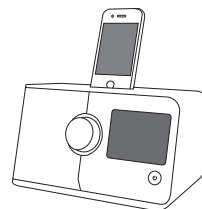
Connected to a wireless broadband network, AXiS can receive thousands of internet radio stations and podcasts from around the globe, as well as providing access to customised stations based on your own ratings and recommendations via Last.fm.
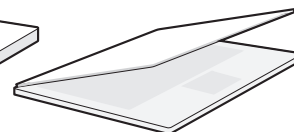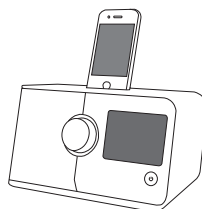
On the same wireless network as your computer, AXiS can also act as a remote streaming device for your music collection. You can also use the Frontier Silicon internet radio portal from your computer to tailor the content received by your AXiS.

What's in the Box?

AXiS

Power Supply Unit
(+ 3 Plug Adaptors)

Set of 6 iPod
Dock Adaptors

Warranty Card   User Guide
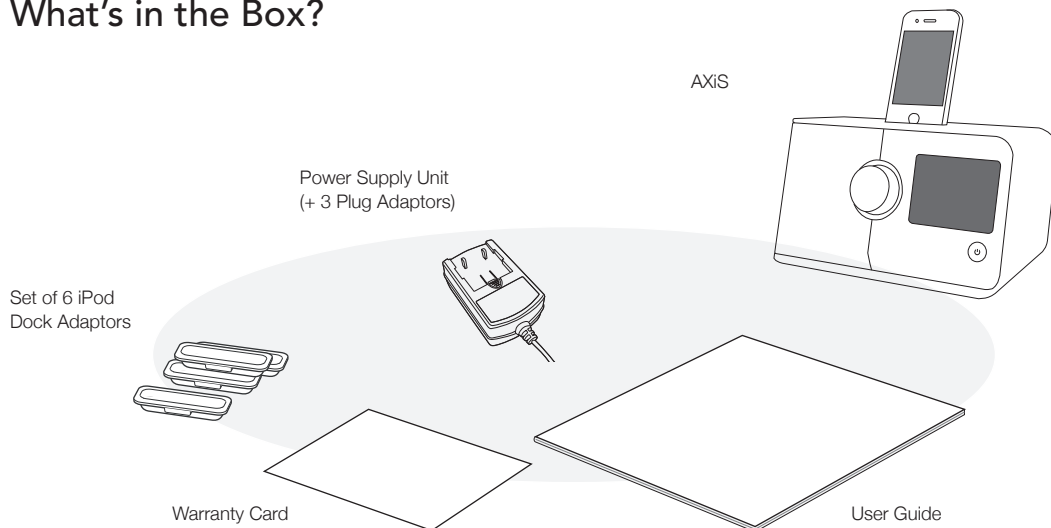
Power Supply

Your AXiS radio is supplied with a
multi-region power supply, meaning
that it can be operated in a number
of countries around the world.

Simply choose the correct adaptor
for your country from the selection
and attach to the PSU body.

UK   EURO   U.S.A

PSU Body

AXiS
Touch Screen Digital Radio

AXiS's startup screen

REVO

The Anatomy of AXiS

iPod Dock

Colour Touchscreen

Rotary Volume

Standby Button

Rear Ports

Extendable Aerial

USB Update Port

DC Power Socket

Auxiliary Line In

Headphone In

Stereo RCA Connectors

iPod Video Out
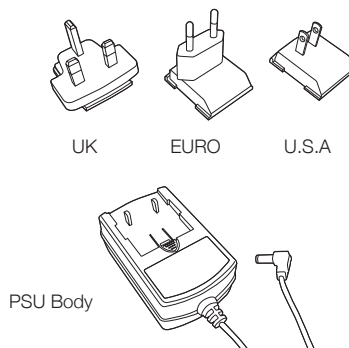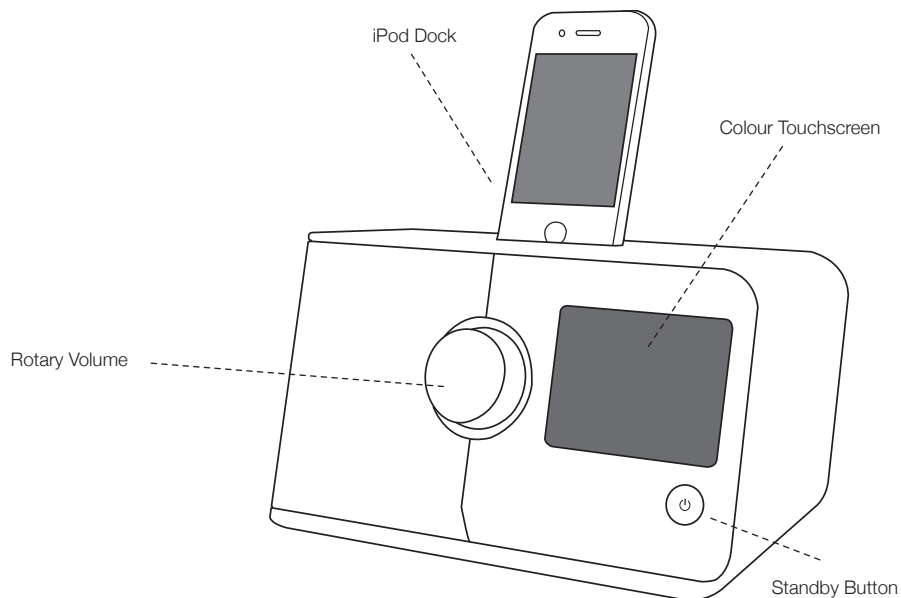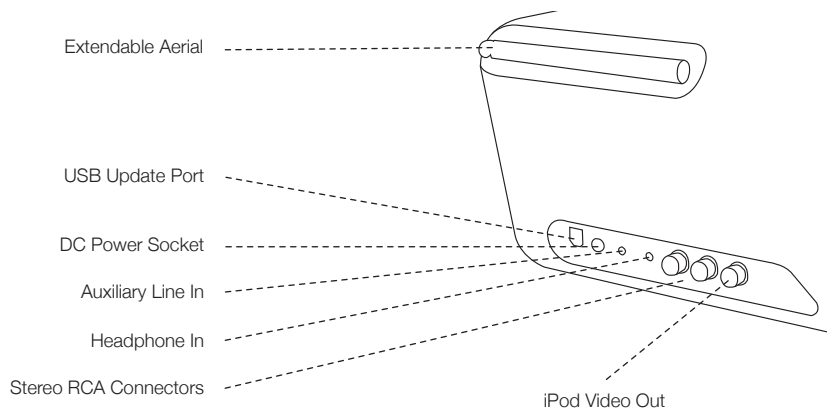
Remote Control (optional)

An AXiS remote control is available as an optional accessory, and can be purchased from the official REVO website - www.revo.co.uk

Standby

Volume Down

Play / Pause

Skip Back

Snooze (alarm)

Love (Last.fm mode)

Mute

Volume Up

Stop

Skip Forward

Sleep (alarm)

Ban (Last.fm mode)
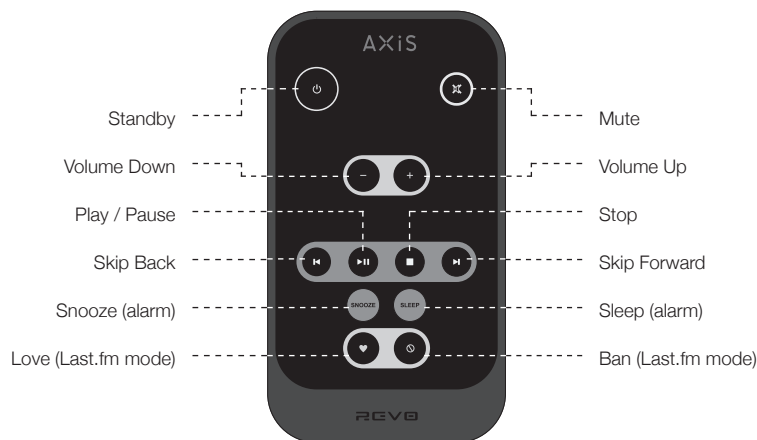
AXiS's remote control is powered by a 3V lithium-ion battery. Depending on usage, this battery should happily run for 1 – 2 years.

Replace the battery with a new CR2025 lithium cell when button presses seem sluggish, or when the operating range seems to have reduced significantly.
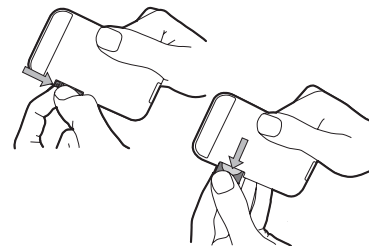
Guiding Principles

One of AXiS's defining features is its 3.5 inch colour touchscreen, which puts you in direct contact with the radio's many functions.

AXiS's controls are very intuitive, so should require little explanation. The graphical representation of features and the ability to directly touch words and buttons to activate them should feel natural after just a few minutes of use.

To get you started, the following two pages aim to offer a summary of what you can expect to see in the different areas of your AXiS's screen and provide an outline of how to find your way around.

1 The central area of the screen is the main information display, showing you menu lists and information about whatever you're currently listening to.

2 Time, Date, Alarm and Network status are displayed along the top of the screen. These are not touch-activated but provide a quick, handy summary.

15:27   12 Oct   2009

Digital Digits
Touchstar
Kontrol
User's Recommended Radio

1:24/4.31

Last.fm

3 Navigational menus occupy the bottom of the screen. These allow you to access features and settings and get back to the home screen.

AXiS's Home Screen

Your first point of contact with AXiS's interface is the home screen. We think the various modes will be fairly self-explanatory and easy to find but here we offer a short description of the function of each of the homepage icons.

Gently press and release an icon to access the relevant mode.

DAB / DAB+ Radio

As well as high-sensitivity DAB reception, AXiS is future-proofed to provide coverage of DAB+ broadcasts when available. See page 18 for full details.

iPod mode

AXiS provides docking, charging, control and playback for nearly all models of Apple iPod and iPhone. See the iPod section on page 20 for more information.

Internet Radio

Internet Radio mode allows you to access tens of thousands of online radio stations and podcasts from around the World. As long as you have a broadband internet connection, you don't even need a computer to use this mode. Details on page 14.

Stream Audio / Network Music Player

AXiS's network music player mode "Stream Audio" lets you stream audio files across your network from PC or MAC. This turns AXiS into a multi-room system for your existing music collection. See page 22.

15:27   12 Oct   2009

Internet Radio   DAB Radio   iPod   Stream Audio

Aux in   FM Radio   Last.fm   Alarms

Settings

Auxiliary Input

Via a standard 3.5mm audio cable, you can use AXiS to play back audio from any external source you choose. See page 27 for details.

Alarms

AXiS's alarms allow you to wake up to any of the audio modes or a buzzer. Alarms are fully configurable to specify dates, recurrence, volume etc. See page 26.

Settings

The Settings menu provides you with controls to tailor the setup of your AXiS. Network settings, sound EQ levels, software updates and timing preferences can be controlled from here. See page 28 for details.
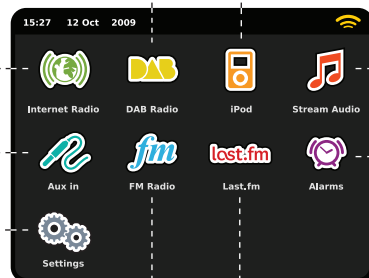
FM Radio

AXiS is loaded with cutting-edge features but it also includes the ability to receive FM broadcasts, including RDS data. Very handy if you take your radio outside a DAB reception area or Wi-Fi network. See page 25.

Last.fm

Last.fm is an online music service which helps users to discover, hear and rate tracks from a gigantic online database covering every style and genre. Via your broadband network, AXiS provides full access to the service. For details, see page 11.

Second–Level Navigation

After you've clicked an option on the home screen to enter one of the modes, the layout of the screen will change slightly.

While each mode looks unique to a certain extent, depending on the information to be displayed, there are several features in common throughout the system.

15:27   12 Oct   2009

BBC Radio 6 Music
Rock/Alternative/Variety
London United Kingdom

The BBC's new digital radio network featuring a rich music mix of breaking talent, classic artists and live performances

Internet Radio

When using any of AXiS's modes, you'll notice at the foot of the screen are one or two rows of contextual menu buttons. These are your main means of interacting with AXiS.

The bottom row remains on screen in all modes and provides system-level navigation, enabling you to return to the home-screen at any time, or bring up a contextual menu for your current mode

Home – click to return to the main menu screen while maintaining audio playback of current mode
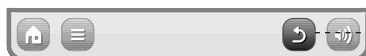
The current mode name is displayed in the centre of the bottom menu bar.

Volume – click to access a volume adjustment / mute screen. There is also a conventional volume dial on top of AXiS.

Contextual Menu – click to view and configure user options for current mode.

Internet Radio

Close – click to return to the home screen and stop playback of current mode.

As you navigate through context-specific sub-menus, the "Close" button will change to a "Back" button, which takes you back up to the previously viewed screen.

If you press the 'Home' button, the current mode will continue to play until you select an alternative audio source. This means you can adjust AXiS's alarm settings or change your system configuration without interrupting your listening.

If you press the Home button, you'll notice that a "Back" button appears in the lower right hand corner of the main menu screen. Pressing this will take you back to the currently playing mode.

When you enter a navigational menu, the available choices will be shown as a list. Just touch any option in a list to select it.

On longer lists, a scrollbar will appear to the right of the screen. Use the Up and Down buttons to scroll through the list one screen at a time, or press part of the scrollbar background to jump to a point.

15:27   12 Oct   2009

Your Loved Tracks

Your Neighbourhood

Your Recent Stations

History

Last.fm
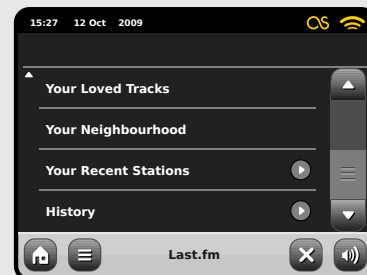
An arrow next to an item in a list indicates that there are further options associated with that item.

Internet Setup

AXiS makes connecting to the internet via your local wireless or wired network very straightforward.

The easiest way to get started is simply to enter either Internet Radio or Last.fm mode, where AXiS will lead you through the process of connecting to your network and getting online.

The main steps are illustrated below:

• Select your WLAN region from the list.

• AXiS automatically scans for networks. As in the example shown, any neworks within range of your AXiS will be listed by name.

• Select your preferred network from the list.

• If your network is not password protected, AXiS will now connect to it. If you do

use password protection, you will be prompted to enter your access code as shown. Type your password using the on-screen keyboard, then press "Confirm".

• AXiS will now connect to your network. Your password is saved to AXiS's memory so you don't need to enter it every time you reconnect.

Select your region...
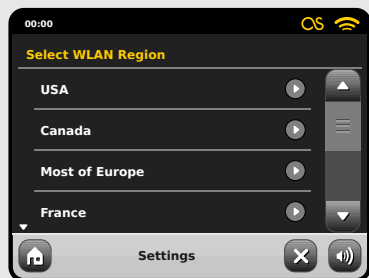
Scanning...

Wireless networks within range will be listed. Select your preferred network.
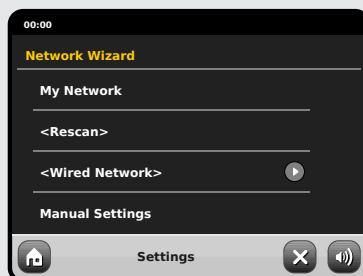
Enter your network password and click "Confirm".
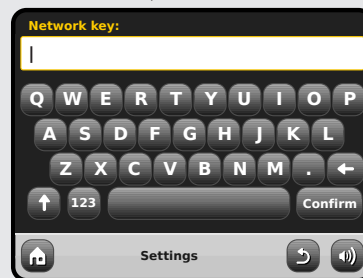
Connecting...

After following the steps above you should be able to access the Internet Radio and Last.fm modes. You've also taken the first step towards streaming audio wirelessly from computers on your network.

All your network settings will be saved to AXiS's memory until you choose to manually update them.

If you want to manually check or change your network settings at any time, you can do so via the "Settings" section. Go to "Network Settings" then select "Network Wizard".

If you have advanced settings you wish to configure yourself, select the "Manual settings" option. For more information, see page 30.

Saved Network Profiles: If you move your AXiS to a different location, when you enter one of the internet modes it will automatically re-scan for available networks.

Only networks within range will be listed but don't worry, your old settings are saved safely and will automatically find your network again if you move your AXiS back to that location.

Last.fm Mode

AXiS's Last.fm mode is a powerful and fun way to discover music and create personalised radio stations which respond to your feedback on-the-fly.

Last.fm is one of the largest online music resources in the World and uses a simple interface to easily find and play music by artist, genre, descriptive tag or community input.

Radio stations you create will be unique to your tastes and fresh every time, picked from Last.fm's growing library of over 5 million tracks.

One of the key features is "Scrobbling"; a technology which learns your musical tastes over time, based on what you listen to and any feedback you provide, constantly improving the recommendations you're offered. In Last.fm mode, your AXiS will scrobble data, building up a unique listener profile which gets more and more accurate as you use it.

Last.fm services include:
- High quality audio streaming
- Personal radio stations
- Your own profile page
- Create and share playlists
- Free media library

To use the Last.fm service on AXiS requires a monthly subscription charge but in terms of value for money, it's hard to imagine where you could get better access to so much music for such a small fee. For less than the price of a magazine, you can get 30 days of unlimited access to the full range of Last.fm's online services.

When a track is playing, click "Love" to add the track to your library and find similar music and artists. Click "Ban" to skip the track and ensure that it's not played again.

Log into your online account at **www.last.fm** at any time to view your history and track ratings or alter any of your settings.

Note: If scrobbling is turned on, your tracks played over UPnP (See page 22) will also contribute to your Last.fm profile, further enhancing your recommendations.

Track Title, Artist Name, Album Title.

View technical information

Ban track — 🚫 **Ban it**

Love track — 💚 **Love it**

Stop playback and return to the main Last.fm menu.

Skip to next track.

This icon indicates that audio scrobbling is active.

Turn scrobbling on and every track you listen to in Last.fm mode will be stored for future reference. We recommend that you do keep scrobbling on, as it improves the recommendations aspect of the service. If you choose not to scrobble however, all the modes will still work just fine, and if you select any tracks to "Love" or "Ban", your feedback will still be saved.

Subscribers
If you are already a Last.fm subscriber, you can use AXiS to sign-in to your existing account straight away.

Registered Users
If you already have a Last.fm account but do not hold a subscription, you'll need to log into **www.last.fm** with your computer and follow the instructions to upgrade your account.

New Users
If you've never used Last.fm before, please use your computer to visit the website at **www.last.fm** and sign yourself up.

last.fm

Last.fm Log–in

Assuming your AXiS is already connected to the internet (see page 10), as soon as you enter Last.fm mode for the first time, you'll see this message:

Sign-up for a new account at http://www.last.fm/join

Press OK if already registered

OK

If your Last.fm account is up and running, click OK and you'll be asked to enter your Last.fm username and password. Type these in using the onscreen keyboard and click "Confirm".

User name:

Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M . ←
123 Confirm
Last.fm

Once you log in successfully, your details will be saved so you don't have to enter them again.

Saved

OK

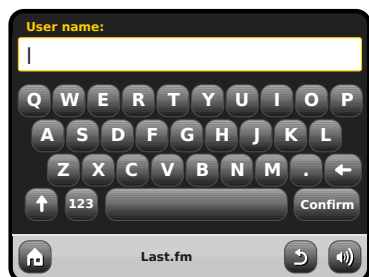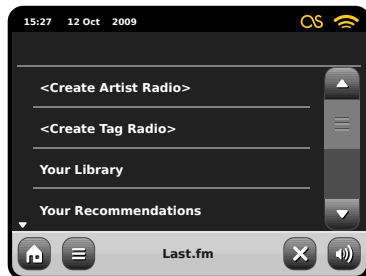You can save several Last.fm accounts on AXiS. Remember to switch back to your own account if you want to get the best recommendations for you.

Last.fm Playback

There are several different types of streams and radio stations available via Last.fm. When you first log-in to Last.fm mode, you will be presented with a list of 8 available options:

15:27   12 Oct   2009

<Create Artist Radio>

<Create Tag Radio>

Your Library

Your Recommendations

Last.fm

15:27   12 Oct   2009

Your Neighbourhood

Your Recent Stations

History

Last.fm

If you're a new user, several of the options will not yet be relevant to you, as they rely on data built up over a period of use. In this case, the first two options on the list are search-based and will probably be the most useful to get you started. These options are "Create Artist Radio" and "Create Tag Radio".

Create Artist Radio

Type-in all or part of an artist's or band's name and click the "Search" button to query Last.fm's enormous database and bring up a list of matching results. Select your choice from the results list. After a few seconds of buffering, your new station will begin playing. This station will play a random and fresh mixture of tracks by your chosen artist along with tunes by other artists who share similar musical characterisitics.

Create Tag Radio

This option plays a selction of tracks which have been tagged with certain keywords. Tags are a very versatile method of searching, as many are generated by Last.fm's large user community, so can be cross-referenced to a lot of interesting and sometimes surprising results.

You can search for any word or phrase, but a good starting point might be to input a genre.

Another good example of creating a tag radio station is to enter the name of a favourite record label. Whether you're a Matador-loving indie kid, or a Def Jam hip-hop head, Last.fm will keep you entertained and help you discover great new music for hours at a time.

AXiS's touchscreen makes interacting with these functions super-easy. AXiS is arguably even better suited to the task than a computer, because it's a dedicated audio device without the extra steps like loading or installing software. Once you've connected to your wireless network and set up a subscription account via the last. fm website, AXiS is ready to enter Last.fm mode at any time with just a couple of clicks.

AXiS's touchscreen keyboard makes searching the Last.fm database supremely easy. Just input a word or phrase and click "Search":
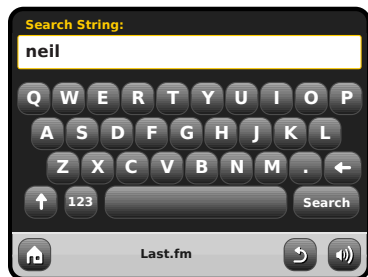
Now select an option from your search results:
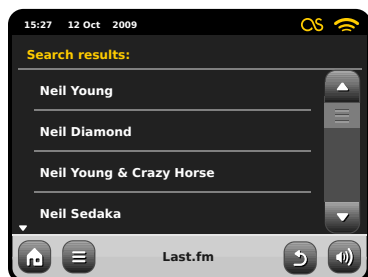
Your new radio station will begin to play...

Your Library

Your Library mode gives you a random selection based on the music you have stored on computer as well as previously scrobbled and 'loved' tracks. When you initially sign up for Last.fm you're given the option to upload details of your music collection, for example, direct from your iTunes library. If you choose to share this data, it gives you a massive head-start in terms of creating a profile of your musical tastes.

Using this mode on AXiS is a bit like hitting "Shuffle" on your whole digital music collection, except you don't need to be anywhere near your computer!

Your Recommendations

The recommendations mode widens your options beyond music from your own collection or from any specific genre, to offer up a continuous stream of diverse tunes, all of which have some link to music which you already love. This is where Last.fm's giant user base is a tremendous asset. Users who have enjoyed simialar music to you will also have tagged and loved things you haven't heard yet. You'll get a brilliant mixture of familiar and totally new suggestions. If anything crops up that you don't like, just "Ban" it and it'll be skipped and never be played again.

This is definitely a mode that improves the more you use it, and the more tracks you "Love" or "Ban".

Your Neighbourhood

Your Neighbourhood is made up of the recommendations of other Last.fm users who share similar tastes to yourself. Here, a social networking aspect comes into play - this is a great way to surprise yourself and discover new music.

Your Recent Stations

This provides a list of your recently used modes and searches within Last.fm mode. If you can't get enough of a particular artist – this will provide a nice shortcut to get around searching manually every time.

History

History shows the details of your six most recently played tracks. Handy if you hear something you love but don't get a chance to look at AXiS's screen or click "Love" on your remote control while it's playing. Please note: you cannot currently listen again to tracks from this list on-demand due to licensing restrictions.

Internet Radio Mode

AXiS's Internet Radio mode is a fantastic way to receive interesting broadcasts of every imaginable type from all around the World. It also allows you to listen to podcasts, enabling you to catch up or listen on demand to many broadcasts you may have missed on their first airing.

From AXiS's home screen, click the Internet Radio icon to start.

Getting Started...

The first time you enter Internet Radio mode (after you've successfully set up your internet connection – see page 10), you'll be taken to the main Station Directory menu screen.

You'll find the following options on the main Internet Radio Station List:

My Favourites
Provides a quick route to access stations which you select as favourites. For more information on using favourites see page 16.

Local
A comprehensive list of all the internet radio stations being broadcast from within your country or geographical region.

BBC
A handy shortcut to all BBC stations.

Stations
The big list! Find thousands of stations either by browsing categories such as location, genre and popularity or by searching for a station by name.

Podcasts
Find podcasts and "listen-again" broadcasts by location, genre or by searching for a name.

My Added Stations
Shows stations that you've personally added to your station list by accessing the Frontier Silicon Radio Portal. See page 17 for more details.

Help
Find your AXiS's access code.

Main IR Playing Screen

Station information, including name, genre, location, logo and description data where available from broadcaster.

The main contextual menu button in IR mode simply offers you two options:

Return to playing screen: Takes you back to the main station info screen.

Last Listened: Offers you a list of shortcuts to your recently accessed stations.

View Station Directory List

View Technical Information

Add Current Station to Favourites

Depending on broadband connection and network speeds, stations may need to preload (buffer) for a few seconds before playback starts.

Buffering...

Finding IR Stations

The first time you run Internet Radio mode, you'll be taken straight to the main station list as described overleaf.

This directory offers you a great variety of methods to browse and search for radio stations and podcasts.

Broadly speaking, all the list items operate in a similar manner, so in the following example we'll focus on one item from the menu: the "Stations" heading, which provides the most comprehensive range of broadcasts.

After clicking "Stations", you'll see the options listed as below:

15:27 12 Oct 2009	🛜
Stations	
Location	▶
Genre	▶
<Search stations>	▶
Popular stations	▶
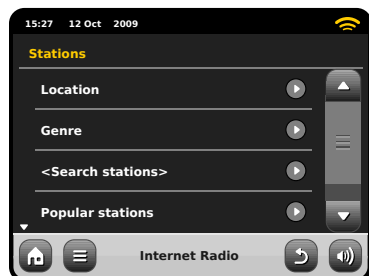
🏠 ☰   Internet Radio   ↩ 🔊

Station Directory

To access AXiS's Internet Radio Station List, press the directory button any time you're in IR mode.

Browsing for Stations

By Location
Choose a continent, then a country, then browse all available stations for that location, or delve deeper into sub-categories for specific genres etc.

It's worth noting that if you're looking for a station from your own country, it's probably quicker to access it by going to the main station directory and clicking the heading "Local".

By Genre
Categorises all available stations by programme type, based on the descriptions provided by broadcasters.

15:27 12 Oct 2009	🛜
Genre	
Bluegrass	▶
Blues	▶
Business News	▶
Celtic	▶

🏠 ☰   Internet Radio   ↩ 🔊

After selecting an option from the list, you can then browse a complete list of that entire genre, or refine your results further, based on sub-categories such as country of origin.

Popular Stations
A list of the 100 most listened-to stations via the Frontier Silicon Internet Radio Portal.

New Stations
A list of the 50 stations most recently added to the Frontier Silicon Internet Radio Portal.

Searching for Stations

If you have a specific radio station in mind, you can search for it by name or by a keyword from its title or description.

From the main Station List, select "Stations", then click "<Search stations>". This brings up a keyboard search box:

Search String:	
uzic	

Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M . ←
⬆ 123   Search

🏠   Internet Radio   ↩ 🔊
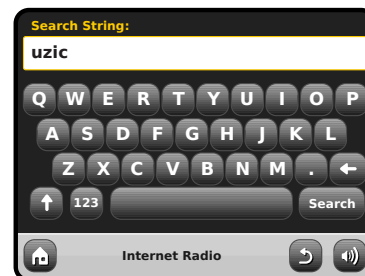
Input a word, phrase or part of a station name and click "search". Any matching results will be listed as pictured below. Simply select a station from the list to begin playing it.

Click "Back" to search again if you didn't find what you were looking for.

15:27 12 Oct 2009	🛜
Search Results	
UZIC Drum-Breaks	
UZIC Techno-Minimal	

🏠 ☰   Internet Radio   ↩ 🔊

Podcasts / Listen Again

Podcasts offer you the ability to listen to a huge array of programmes on-demand, giving you a chance to catch up with broadcasts you may have missed, or to listen again to something you enjoyed.

To find podcasts, search for a radio station as normal, but instead of clicking the station name to listen live, select the Podcasts option. This will bring up a list of available programmes. Select a show to bring up a list of the podcasts available for it.

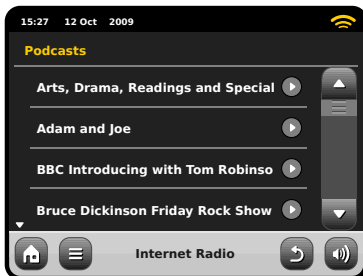Note: not all stations make their programmes available as podcasts. Also, the length of time that podcasts are available is dictated by the station. In many cases, podcasts will be made available for one week, although many are also available for longer periods.

15:27 12 Oct 2009	
BBC Radio 6 Music	
BBC Radio 6 Music	
Podcasts	▶
🏠 ☰ Internet Radio ↩ ◀))	

15:27 12 Oct 2009	
Podcasts	
Arts, Drama, Readings and Special	▶ ▲
Adam and Joe	▶
BBC Introducing with Tom Robinso	▶
Bruce Dickinson Friday Rock Show	▶ ▼
🏠 ☰ Internet Radio ↩ ◀))	

15:27 12 Oct 2009	
Adam and Joe	
10/10/2009 - October 10	
🏠 ☰ Internet Radio ↩ ◀))	

Favourite Station Presets

AXiS lets you save separate lists of favourite internet radio stations and podcasts.

⭐ To add the station or podcast you're listening to as a new favourite, click the Add Favourite button.

You can also register an unlimited number of favourites via the Frontier Silicon Radio Portal, which means they're stored independently of your AXiS. If you carry out a factory reset, your favourites will still be retained. You can even share these favourites with other interet radio devices. See page 17 for more details.

✓ **Favourite Added**

📇 To review your favourites, click the Station List button and select "My Favourites".

When you browse one of the options, you'll see your favourites listed in the order you saved them. You can easily remove items from the lists by pressing the corresponding trashcan icon:

15:27 12 Oct 2009	
My Favourites	
Stations	▶
Podcasts	▶
🏠 ☰ Internet Radio ↩ ◀))	

15:27 12 Oct 2009	
Stations	
BBC Radio 6 Music	🗑
BBC Radio 2	🗑
🏠 ☰ Internet Radio ↩ ◀))	

When you exit Internet Radio mode, your last listened-to radio station is saved to AXiS's memory and will be automatically restored next time you use Internet Radio.

The Information button takes you to a screen displaying technical specifications for the station you're listening to.

Under the "Help" section, you'll find your AXiS's access code plus the heading "FAQ". This contains a couple of short audio tracks offering guidance.

15:27   12 Oct   2009

BBC Radio 6 Music
Rock/Alternative/Variety
London United Kingdom
The BBC's new digital radio network featuring a rich music mix of breaking talent, classic artists and live performances

Internet Radio

15:27   12 Oct   2009

BBC Radio 6 Music

Description	The BBC's new digital radio net-
Bit rate	64 kb/s
Codec	REALCOOK
Sampling rate	44.1 kHz

Internet Radio

15:27   12 Oct   2009

FAQ

Why do stations not work somtimes ...

Why do stations disappear from my l...

Internet Radio

Internet Radio Portal

AXiS can use the Frontier Silicon Internet Radio Portal to access some advanced internet radio features. To access the portal you need to register your AXiS on the Frontier Silicon website at:
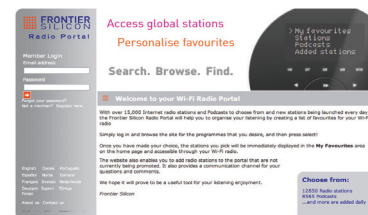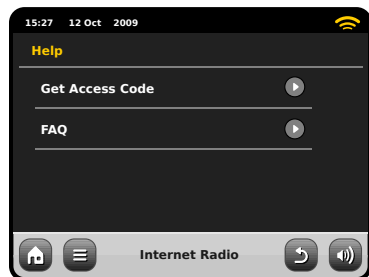
www.wifiradio-frontier.com

Your AXiS has a unique access code. To find it, enter Internet Radio mode. On the menu screen, scroll down and press Help. Now press Get Access Code.

Make a note of this code, then use your computer to access the website. Click on the "Register Here" link on the left side of the screen, then follow the instructions.

If you already have an account on the Portal, you can register your AXiS as an additional radio. Log into your account then select My Preferences, then "Add Another Wi-Fi Radio".

Now you'll be able to take advantage of features such as manually adding your own stations, or creating shared favourites lists to use with multiple devices.

15:27   12 Oct   2009

Help

Get Access Code ▶

FAQ ▶

Internet Radio

15:27   12 Oct   2009

Get access code

Access code

XXXX1234

Internet Radio

www.wifiradio-frontier.com

DAB Radio Mode

Getting started

Please ensure that your AXiS's antenna is fully extended before you enter DAB mode.

On AXiS's Home screen, click the DAB icon.

The first time you enter DAB mode, AXiS will automatically begin to scan through the frequency range to find radio stations. Scanning will take a few moments; a progress bar will appear on screen to keep track of how many stations are picked up in your area.

15:27   12 Oct   2009
Scanning in progress...
Stations found: 37
Cancel
DAB
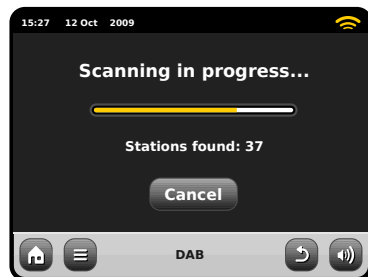
After scanning, the list of radio stations received in your area will be sorted alphabetically and saved to AXiS's memory.

15:27   12 Oct   2009
Station List
BBC Radio 3
BBC Radio 4
BBC Radio 5 Live
BBC Radio 6Music
DAB

Listening to DAB Stations

To access AXiS's DAB Station List, press the directory button.

Simply click on a station name in the station list to begin playing it.

15:27   12 Oct   2009
STEREO
BBC Radio 6Music
Rock Music
Now playing:
Banquet by Bloc Party
DAB

Station / Programme Information

View Technical Data

View Station List

Go to Next Station from List

View Favourites List

Add Current Station to Favourites List   Go to Previous Station from List

Slideshow

In some countries DAB broadcasts may include a slideshow feature. If 'DAB Slideshow' is available a, colour slide will be displayed in place of the DAB logo on your AXiS touchscreen. Pressing the slide will expand the image to fill the screen. Pressing again will revert back to the standard size

The Now Playing screen displays information from the broadcaster.

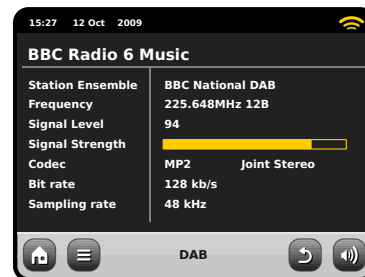Station name and programme type (genre) are displayed at all times.

Additional information is displayed where provided by the broadcaster. This may include categories such as:

- Current track title and artist name.
- Programme information.
- Extra station Information.
- Contact details / web links etc.
- Upcoming programme information.

If text is too long to fit on one screen, it will scroll automatically every few seconds.

More detailed technical information is available by pressing the info key.

This includes detailed broadcaster data and information about signal strength.

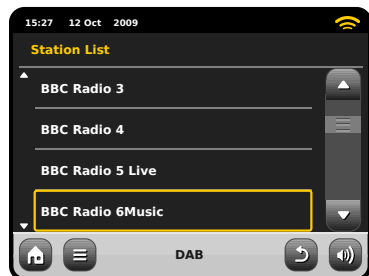| 15:27 12 Oct 2009	
BBC Radio 6 Music	
Station Ensemble	**BBC National DAB**
Frequency	**225.648MHz 12B**
Signal Level	**94**
Signal Strength	
Codec	**MP2 Joint Stereo**
Bit rate	**128 kb/s**
Sampling rate	**48 kHz**
DAB	

Rescanning DAB Stations

From time to time, it may be necessary to perform a manual scan to keep your AXiS's station list up-to-date. A couple of reasons may account for this...

• New station launches or existing stations which cease broadcasting.

• If the initial scan gave poor reception (for example, if the aerial was not properly extended or AXiS was placed in a bad reception area), the default station list may be incomplete or even empty.

To begin a manual scan, in DAB mode, press the Menu button. Select Scan from the list. When the scan is finished, your updated station-list will be saved into AXiS's memory.

Favourite Station Presets

AXiS lets you save up to 10 of your favourite DAB stations as presets.

To store the station you are currently listening to as a preset, just press the add preset button at any time.

When successful, you'll see the message "Favourite Added".

✓ **Favourite Added**

To view your preset stations list at any time, press the presets button.

Dynamic Range Control

DRC can improve audio performance if you are listening to music with a high dynamic range in a noisy environment (e.g. listening to classical music while cooking in the kitchen).

DRC boosts quieter sounds, making them easier to hear, without over-amplifying the louder sections of music.

AXiS has 3 DRC settings: OFF, Low and High. Default setting is Low. To alter this setting, click the Menu button in DAB mode. Select DRC from the list, then click your preferred setting.

Note: Not all DAB broadcasts are able to use DRC. If the broadcast does not support DRC, then changing the setting will have no effect.

15:27 12 Oct 2009	📶
Station List	
BBC Radio 3	
BBC Radio 4	
BBC Radio 5 Live	
BBC Radio 6Music	
🏠 ☰ DAB ↩ 🔊	

15:27 12 Oct 2009	📶
My Favourites	
1: BBC Radio 6Music	
2: BBC Radio 4	
3: BBC Scotland	
4: <Empty>	
🏠 ☰ DAB ↩ 🔊	

15:27 12 Oct 2009	📶
DRC	
OFF	
Low	
High	
🏠 ☰ DAB ↩ 🔊	

"Pruning" Stations

To remove stations that appear on your list but which are not available, press the Menu key in DAB mode and select Prune Invalid Stations.

AXiS will remove any invalid stations and auto update and save your station list.
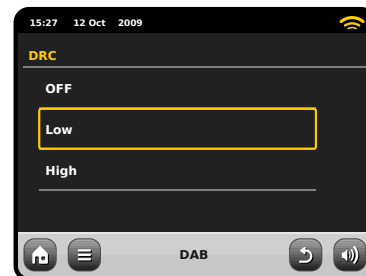
Editing Presets

You can change the order or delete items from your favourites list by going to the DAB menu and selecting Edit Favourites.

Controls will appear around any station you select, allowing you to move or remove it.

15:27 12 Oct 2009	📶
Select a favourite to move or delete	
1: BBC Radio 6Music	
2: BBC Radio 4 ▲ ▼ 🗑	
3: BBC Scotland	
4: <Empty>	
🏠 ☰ DAB ↩ 🔊	

iPod Mode

Introduction

A is made-to-measure for your iPod or iPhone. It requires very little effort to get up and running as an easy-to-use charging point and high quality amplifier for your Apple device.

Simply plug your iPod or iPhone into AXiS's dock for instant playback. See page 21 for instructions and further guidance on compatibility and installation of specific dock adaptors.

Don't forget, even if you own an alternative type of media player, a first generation iPod or an iPod Shuffle, you can still use AXiS for playback via a 3.5mm lead.
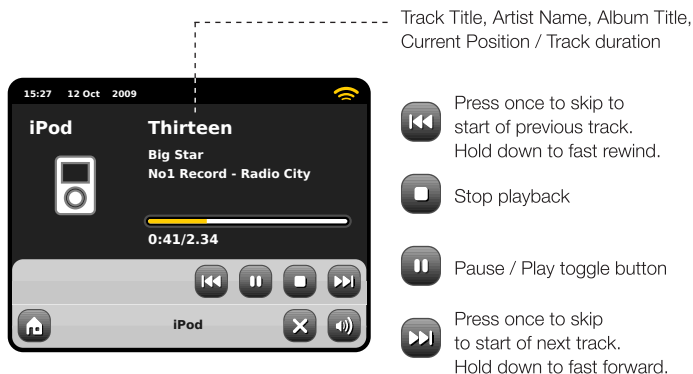
Control and Playback

To enter iPod playback mode from AXiS's home menu screen, just press and release the iPod icon.

In iPod mode, the controls are simple: you can use AXiS's touchscreen interface, or the remote control, to operate the basic playback features of your iPod.

Where available, AXiS will display track title, artist name and album title information on screen.

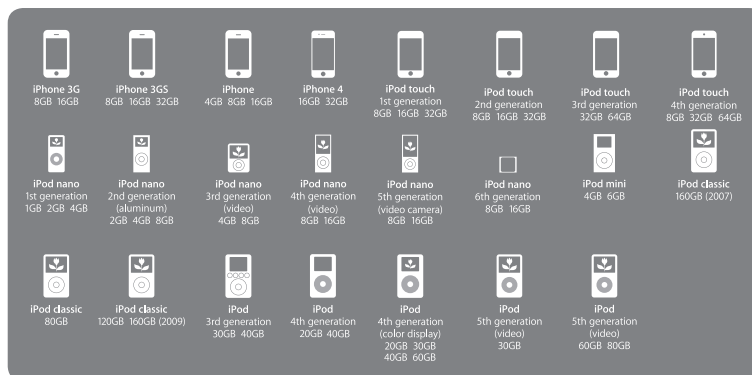You can access other iPod features and controls as normal while docking with AXiS.

The only exception is your iPod's internal volume control – when plugged in to AXiS, this feature is disabled.

Track Title, Artist Name, Album Title, Current Position / Track duration

```
15:27   12 Oct   2009              📶
iPod            Thirteen
                Big Star
   ▣            No1 Record - Radio City
   ◉
                0:41/2.34

            ◀◀  ❚❚  ■  ▶▶|
   🏠          iPod         ✕  🔊
```

Press once to skip to start of previous track. Hold down to fast rewind.

Stop playback

Pause / Play toggle button

Press once to skip to start of next track. Hold down to fast forward.

AXiS is one of only a handful of digital radios that is Apple certified for use with both iPod and iPhone.

Made for
🔲 iPod 📱 iPhone

All the following models are fully compatible with your AXiS:

| iPhone 3G 8GB 16GB	iPhone 3GS 8GB 16GB 32GB	iPhone 4GB 8GB 16GB	iPhone 4 16GB 32GB	iPod touch 1st generation 8GB 16GB 32GB	iPod touch 2nd generation 8GB 16GB 32GB	iPod touch 3rd generation 32GB 64GB	iPod touch 4th generation 8GB 32GB 64GB
iPod nano 1st generation 1GB 2GB 4GB	iPod nano 2nd generation (aluminum) 2GB 4GB 8GB	iPod nano 3rd generation (video) 4GB 8GB	iPod nano 4th generation (video) 8GB 16GB	iPod nano 5th generation (video camera) 8GB 16GB	iPod nano 6th generation 8GB 16GB	iPod mini 4GB 6GB	iPod classic 160GB (2007)
iPod classic 80GB	iPod classic 120GB 160GB (2009)	iPod 3rd generation 30GB 40GB	iPod 4th generation 20GB 40GB	iPod 4th generation (color display) 20GB 30GB 40GB 60GB	iPod 5th generation (video) 30GB	iPod 5th generation (video) 60GB 80GB	

iPod Dock Setup

AXiS is supplied with a selection of adaptors to fit a variety of iPod models. Each of the supplied adaptors has a number (see illustration 1), see the list opposite to check which adaptor corresponds to your iPod/iPhone.

While it is not strictly necessary to use a dock adapter to connect an iPod to AXiS, if one is available, we recommend that you use it. If an adapter for your specific model of iPod/iPhone is not among those supplied with AXiS, please use the adaptor provided by Apple as part of your iPod/iPhone kit. Alternatively, dock adaptors for most models can be purchase from the AppleStore (www.applestore.com).

To fit the adaptor, remove the dock dust cover before inserting the adaptor into the recess that surrounds the iPod connector (see illustration 2).
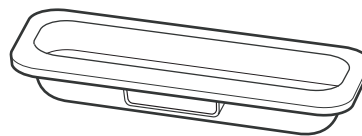
Adaptor No.	iPod Models
10	iPod Classic (160GB), 5G iPod with video (60/80GB)
14	iPod Touch
15	iPhone 3G/3GS
16	iPod Touch 2G
17	iPod Nano 4G
18	iPod Nano 5G
19	iPhone 4
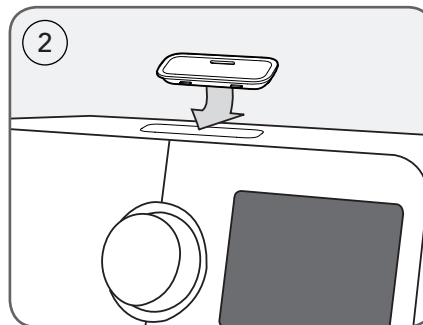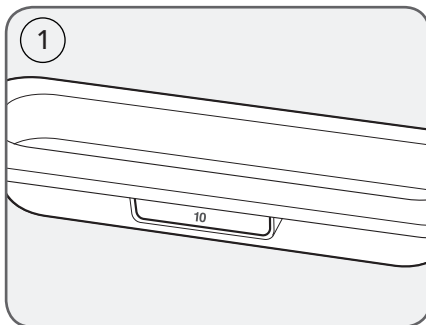
Streaming Audio Mode (My Music)

AXiS's network music player mode is accessed by selecting "Stream Audio" from the Home menu. The mode utilises the Universal Plug and Play ("UPnP") protocol to let you browse and play audio files wirelessly across your network from PC or Mac computers. Once you've set up your computer for sharing, AXiS can remotely navigate through your digital music collection by categories such as Artist Name, Album Title or Musical Genre.

In order for AXiS to play your audio files from computer, the computer must first be configured for media sharing.

Recommended system requirements for straightforward setup of your computer are:

• Windows PC using Windows Media Player (WMP) version 11 or later.

   or

• Apple Mac running OS X or later with a UPnP application installed to access an iTunes library.

For information about setting up your computer to share music with AXiS, please see the instructions overleaf.

Playback of Network Audio

Track, Artist and Album information is displayed on screen, along with Track Duration and Current Position.
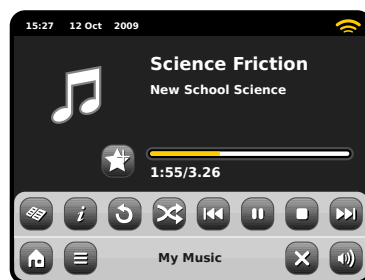
Stream Audio Menu
You can set tracks to "Repeat" or "Shuffle" by accessing toggle controls within the menu.

Play / Pause toggle

Repeat

Shuffle

Add to Playlist

Music Directory Menu
Click to navigate through your shared music library and find new tracks.

Information
View technical details of File Type, Bitrate and Sample Rate.

Stop
Stop playback and return to your music directory list.

Fast Forward
Press once to skip to next track. Press and hold to quickly scan forward through current track.

Rewind
Press once to skip to start of previous track. Press and hold to quickly scan back through current track.

Please note: iTunes does not currently operate a UPnP media server, but there are a number of third-party software applications (many of them free) which can enable you to access your iTunes music library.

Note: You can "Scrobble" track information to your Last.fm account while using UPnP mode. Turn the Scrobbling option on via the Last. fm mode's main menu. For further information please see page 11.

Streaming Audio: Setting Up

Streaming from Windows PC using Windows Media Player

Windows Media Player (version 11 or newer) is the most popular UPnP server client. There *are* alternative UPnP platforms which can be used, but this description deals with the process of configuring your WMP system.

First, ensure that your PC and AXiS are both connected to the same network.

1   In WMP, add the audio files and folders you want to share with your AXiS to the Media Library. Select "Library", then "Add to Library".

2   To ensure that AXiS will be able to gain access to your shared media, turn Media Sharing on. Select AXiS and click "Allow" as pictured. Your PC is now ready to stream music to AXiS.

The WMP UPnP service runs in the background, so you don't actually need to have the WMP software running to access your files from AXiS.

- -
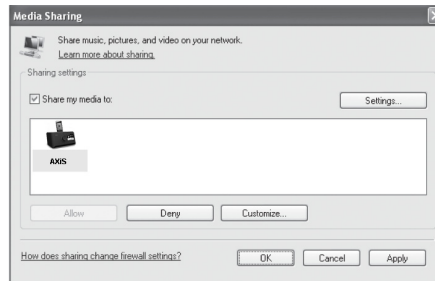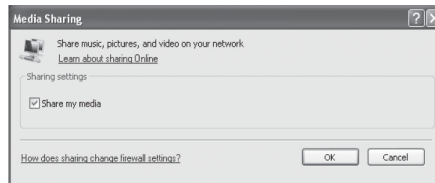
Streaming from an Apple Mac

To connect AXiS to your Apple Mac computer, a third–party UPnP server application is required.

There are a number of these apps available for download online. One of the most common and easy-to-use is called **EyeConnect**. This is available from: **www.elgato.com**

Once you've downloaded and installed EyeConnect to your MAC, open up your System Preferences control panel and under "Other", select EyeConnect.

Ensure that AXiS is connected to the same network as your Mac – AXiS will appear on your EyeConnect devices list as pictured, right.

Make sure the "Enable" box next to AXiS is ticked and that the "Access" drop down menu is set to "Enable New Devices".

Your MAC is now ready to stream to AXiS. EyeConnect runs discreetly in the background, so there's no need to open the control panel each time you wish to stream.
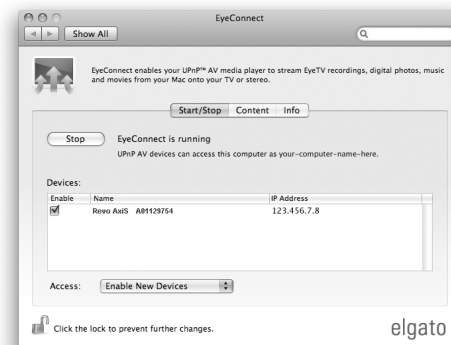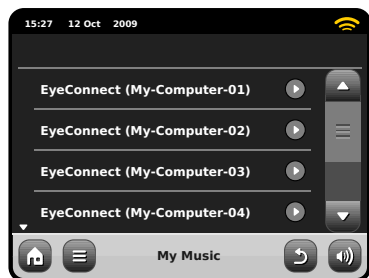
Streaming Audio: Finding Tracks

AXiS can play the major audio file formats from a computer or server on your local wireless network, including: MP3, AAC, WMA and FLAC

When you enter Stream Audio mode, you'll be asked to select your music source. Click on "Shared Media".

15:27 12 Oct 2009
Select Music Source
Shared Media ▶
My Music
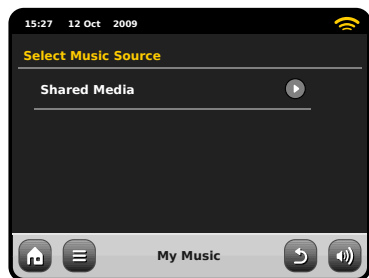
All available computers on your network which have been configured to share files via UPnP will be listed:

15:27 12 Oct 2009
EyeConnect (My-Computer-01) ▶
EyeConnect (My-Computer-02) ▶
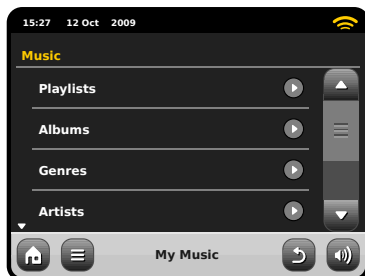**EyeConnect (My-Computer-03)** ▶
EyeConnect (My-Computer-04) ▶
My Music

After selecting your desired computer from the list, you'll see a list of available media types. Click "Music" to find your shared tracks.

15:27 12 Oct 2009
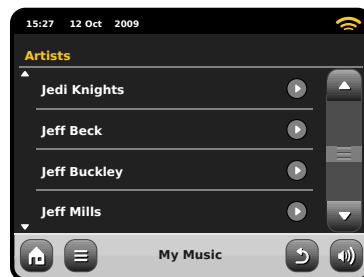**EyeConnect (My-Computer-02)**
Music ▶
My Music
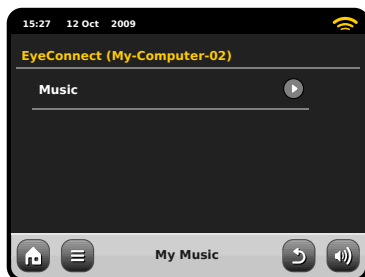
You can browse your collection by criteria such as Album Title, Artist Name and Genre.

If you like, you can also set up playlists on your computer, then access these from your AXiS.

15:27 12 Oct 2009
Music
Playlists ▶
Albums ▶
Genres ▶
Artists ▶
My Music

Select an option and you'll be presented with an alphabetically sorted list (top right).

15:27 12 Oct 2009
Artists
Jedi Knights ▶
Jeff Beck ▶
Jeff Buckley ▶
Jeff Mills ▶
My Music

You can then browse down through sub-categories to find specific pieces of music. Just click a track name to play it.

15:27 12 Oct 2009
Jedi Knights
All ▶
Jedi Selector ▶
New School Science ▶
My Music

15:27 12 Oct 2009
New School Science
May The Funk Be With You
Noddy Holder
One For M.A.W.
Science Friction
My Music
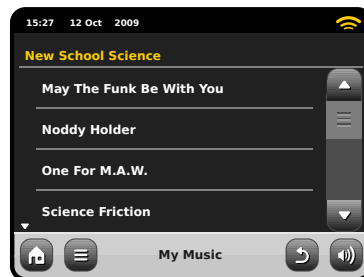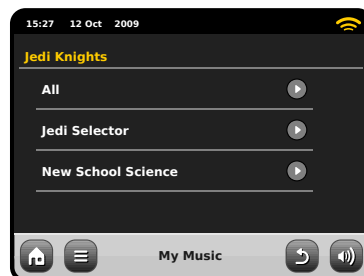
FM Radio Mode

Before entering FM mode, please fully extend AXiS's aerial.

From the Home screen, press the FM button. You'll see the following screen, with the currently selected FM frequency displayed.

STEREO

99.50MHz

88 90   94   98   103 106 108

Seek

FM
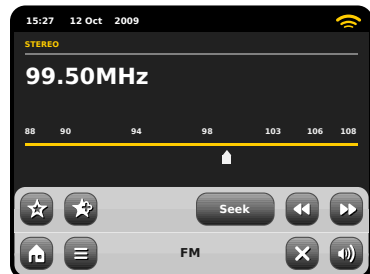
Note the frequency scale across the centre of the screen. You can simply press any part of this scale, to tune AXiS to the corresponding radio frequency.

You can also use the forward and back buttons to tune up or down through the frequency range, one step at a time.

If you want to scan through the bands to find a station, click on "Seek" so that it's hilighted in yellow, then use the forward and back buttons as before. Now instead of individual steps, AXiS will scan up or down until it finds the next available station.

Seek

For stations with good signal strength which broadcast RDS information, AXiS will display the RDS Data.

Favourite Station Presets

AXiS allows you to store up to 10 favourite station presets in FM Mode.

To add the station you're listening to as a new favourite, click the Add Favourite button.
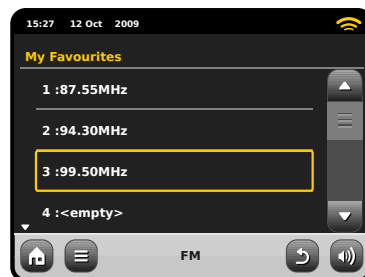
This will bring up the following feedback:

✓ **Favourite Added**

To review your favourites list, click the favourites button at any time.

Your favourites will be listed as shown below. If you're already listening to one of your favourites, it will be highlighted on the list as shown here:

15:27   12 Oct   2009

My Favourites

1 :87.55MHz

2 :94.30MHz

3 :99.50MHz

4 :<empty>

FM

FM Settings

Press the contextual menu button to bring up the FM Settings menu:

15:27   12 Oct   2009

FM Menu

My Favourites

Stop on stations   **All**

Edit favourites

Force mono   **No**

FM

My Favourites: takes you to view your favourite stations list.

Stop on Stations: is a toggle button which dictates AXiS's FM sensitivity when scanning for stations. If set to "Strong", scanning will only stop on stations with good reception.

Edit Favourites: lets you easily rearrange or delete items from your favourites list:

15:27   12 Oct   2009

Select a favourite to move or delete

1 :87.55MHz

2 :94.30MHz

3 :99.50MHz

4 :<empty>

FM

Force Mono: can switch playback to Mono if signal reception is not strong enough to allow constant Stereo reception.

Alarm Settings

AXiS is equipped with two programmable alarm clocks. From the Home Screen, click 'Alarms", the go to the Alarm status screen.

15:27 12 Oct 2009	
Alarm settings	
Alarm 1	**Off**
Alarm 2	**Off**
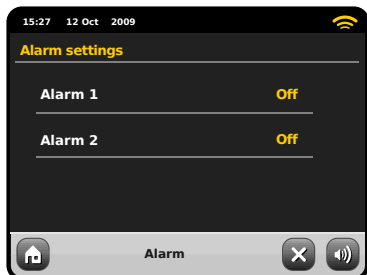
To edit or review an alarm, press either Alarm 1 or Alarm 2. A summary screen displaying the current alarm selections will be displayed, there are four adjustable settings:

- Alarm Enable / Frequency selection
- Time (and Date if applicable)
- Alarm Source
- Volume (0 – 16)

Simply press any setting to review or edit it. Pressing the "Back" button will save your changes and take you back to the main summary screen.

When either alarm is activated, mini icon(s) as picture below will appear in the top section of your AXiS screen.

Alarms can be set to activate Once, Every Day, Each Weekday or on Weekend Days.

15:27 12 Oct 2009	①
Set alarm frequency	
Once	
Daily	
Weekday	
Weekend	
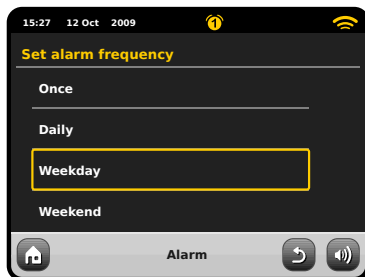
If you select "Once", in addition to setting the alarm time, you will also need to set a specific date. The date setting screen behaves in the same manner as the time setting screen.

Press "Time" to adjust the time of alarm activation. Using the up and down arrows above the hours and minutes, set the specific time that you wish the alarm to sound.

15:27 12 Oct 2009	①
Set alarm time	
06 : 56	
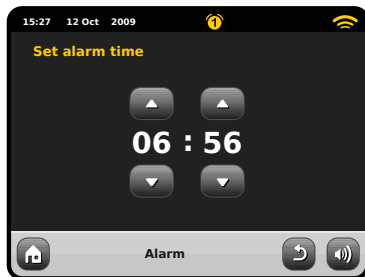
Alarms can be set to wake you with audio from any one of the following modes: Internet Radio, DAB, FM, iPod, Last.fm or Buzzer.

15:27 12 Oct 2009	①
Select alarm source	
iPod	
Internet	
Last.fm	
Buzzer	

If DAB, or FM is chosen for the alarm source, you will also be given the option of waking to the "last listened" station or one the your preset favourites. This selection can be made by pressing "My Favourites".

Pressing volume will display the "Select Alarm Volume" screen, where you can predefine the volume level that you wish your alarm to activate at.
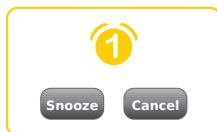
Alarms in Standby Mode

When AXiS is in standby mode, if an alarm is set, its icon will be displayed on screen as pictured.

In the bottom right hand corner of the screen, a shortcut button is also provided which takes you straight back to the main alarm summary screen at any time, to check and/or change the alarm settings.

Monday 12 Oct

15:27

①

Alarm Snooze

When an alarm goes off, you'll get the option to either "Snooze" or "Cancel".

Snooze puts AXiS back into standby mode for a specified period before repeating the alarm.

The snooze interval duration can be set in the Main System Settings menu. Click on "Miscellaneous Settings", then "Alarm Snooze". The Snooze interval can be set from between1 to 30 minutes.

You can also use the "Snooze" button on AXiS's remote control.

"Cancel" switches the alarm system off while allowing you to continue listening.

To switch the alarm off and also stop audio playback, press the standby button on AXiS or its remote control.

Monday 12 Oct

15:27

Monday 12 Oct

Snooze   Cancel
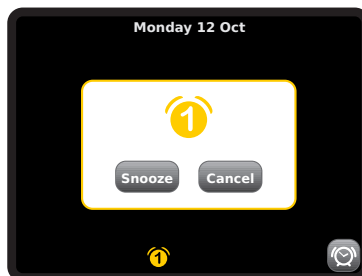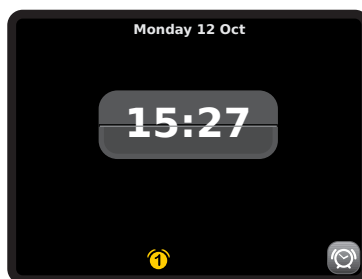
Sleep Function

AXiS has a handy sleep function which automatically switches AXiS into standby mode after a specified time period.

Simply press the "Sleep" button on AXiS's remote control to bring up an on-screen dialogue box.

The default setting is "Off" but by pressing the Sleep button again, you can cycle through the options to send AXiS to standby in 15, 30, 45 or 60 Minutes.

Sleep Time

30 Minutes
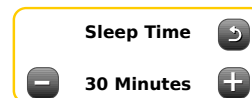
🌙 If Sleep mode is activated, a crescent moon icon will show in the top part of the screen.

Auxiliary Mode

AUX IN mode allows you to play audio from almost any external source (e.g. MP3 Player) through your AXiS.

Turn the volume of both AXiS and your external device down before connecting.

Connect your external audio device via a cable to the 3.5mm AUX IN port on the rear of AXiS.

15:27   12 Oct   2009

Auxiliary input

Aux In

From the AXiS HOME screen, select AUX IN.

Adjust the volume of AXiS and, if necessary, the external device, to the level desired.

Use the controls on the external device to handle playback – in auxiliary mode AXiS provides amplification only.

System Settings

The System settings menu is accessible from AXiS's main menu screen. The following options are available, allowing you to manually view and change AXiS's settings:

- Time
- Alarms
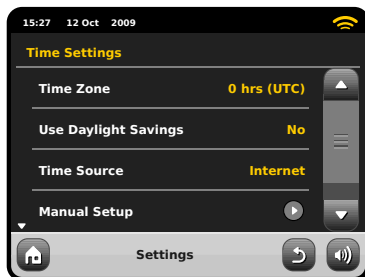- Equaliser
- Network
- Miscellaneous
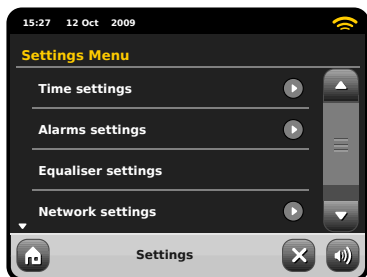
Alarm Settings

This is an alternative route to access your AXiS's alarm clock settings, as you would via the main "Alarms" mode. See page 26 for details.

Time & Date Settings

By default, AXiS will automatically set its time and date when you connected to the internet, so you may not ever need to worry about manually setting it. However, if you do need to set or change it yourself, the Time Settings menu includes the following options:

- Time Zone
- Use Daylight Saving
- Time Source
- Manual Setup
- Time Format

Time Zone
This setting simply offers you a list of global timezones to choose from. The current setting is highlighted in yellow.

Use Daylight Savings
A simple toggle button. Touch to select Yes / No to turn daylight saving on or off.

Time Source
Allows you to specify where AXiS should sync its clock from. By default this is set to fetch the time from the internet. This is the simplest option, so you may not wish to change the source unless you don't intend to connect your AXiS to the net for a while.

You can also set the time sync source to "None", if you wish to set it yourself and don't wish any external updates. Time can also be set via the "DAB" or "FM-RDS" modes as desired - in either of these modes, you'll need to receive a good station signal for several seconds to extract the time data.

Manual Setup
Allows you to easily set the time and date yourself. Use the Up / Down buttons as illustrated. Clicking the Back button will save your changes and take you to the previous screen.


Time Format
A simple toggle to select either 12 or 24 hour clock.

Network Settings

AXiS will attempt to ease the process of connecting to your local area network the first time you use it to access one of the internet modes. If you wish to view or change these preferences manually, you can do so via the Network Settings menu, where you'll see the following headings:

- Network Wizard
- WPS Push Button Setup
- Network Profiles
- Manual Settings
- Current Settings
- WLAN Region

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Network Settings

Network wizard

WPS push button setup...   **Pop**

Network profiles

Manual settings

Settings
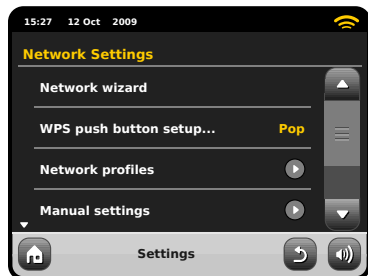
Network Wizard
This utility greatly simplifies the setup of AXiS's internet connection by leading you step-by-step through a largely automated network setup process. Please see page 10 for more details.

Network Profiles
AXiS stores a list of wireless networks it has connected to and automatically tries to connect to any one of them which it can find within range.

You can check details of these saved networks and easily delete any unwanted connections by clicking "Network Profiles".

There's also a link here to the network wizard, if you wish to add a new profile.

Note: you cannot delete the currently active network profile.

15:27   12 Oct   2009

Network Profiles

Network Wizard...
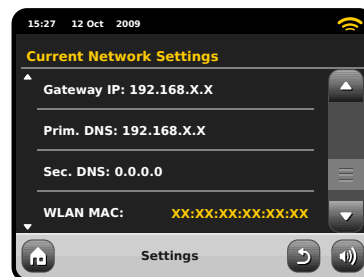
My Network 1

My Network 2

Settings

Manual Settings
For advanced users, the Manual Settings option walks you through a detailed and customisable 11-step process to add a new wireless network profile.

Current Settings
Shows you the full details of your currently active network setup. Potentially useful for troubleshooting, the info displayed here includes IP addresses and MAC addresses related to your AXiS's network.

15:27   12 Oct   2009

Current Network Settings

Gateway IP: 192.168.X.X

Prim. DNS: 192.168.X.X

Sec. DNS: 0.0.0.0

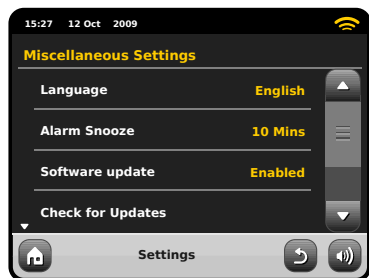WLAN MAC: XX:XX:XX:XX:XX:XX

Settings

WLAN Region
Lets you change your global location if you move your AXiS to a new region. As your network will doubtless change anyway in this instance, we would recommend simply using the Network Wizard to add a new network.

WPS Push Button Setup
Is useful if you want to pair your AXiS with a router that uses WPS security.

Miscellaneous Settings

Allows control over a range of assorted preferences for your AXiS.

15:27 12 Oct 2009	
Miscellaneous Settings	
Language	**English**
Alarm Snooze	**10 Mins**
Software update	**Enabled**
Check for Updates	
Settings	

In order, the miscellaneous settings are:

Language
The default language on your AXiS is English. To change, just pick an option from the available list.

Alarm Snooze
Lets you specify the delay interval between alarms (see page 27). Configurable from 1 to 30 minutes.

When using your radio in a dark location, such as a bedroom, the light from AXiS's touchscreen may prove to be a distraction, even when the radio is in standby mode. To avoid this situation, we have provided the option to switch off the touchscreen backlight when in standby mode.

Standby Backlight
When this feature is activated, the AXiS display will switch off after a pre-defined period of time. The display can be easily re-activated by simply moving the volume

dial in either direction, allowing you to check the time or alarm status. The display will then 'go to sleep' again after the pre-defined timeout period has elapsed.

To activate this feature, select "Miscellaneous Settings" from the "Settings" menu, then "Standby Backlight Off", then choose your desired timeout period from the available list. After selecting your desired timeout duration, the feature will now be activated. To de-activate, select "Standby Backlight Off", then choose "Never".

Please note that this setting is only applicable to standby mode, and will not have an effect on the operation of the touchscreen backlight in any other mode.

Software Update
From time to time, software updates will become available for your AXiS. Some of these will be for maintenance, but some will also add new features to the AXiS system. These updates will download via your network connection.

If you have the Software Update option enabled, AXiS will automatically check for new software every time it connects to the internet. If an update is available, it will ask for your confirmation before commencing download.

Software updates will allow all your user settings to be maintained, although will take a few moments to download and require a restart of your AXiS.

Please note: Before carrying out any software update, ensure that your AXiS is connected to a stable power supply.

Disconnecting the power during a critical phase of an update could result in permanent damage to your AXiS.

Check for Updates
If you don't want AXiS to automatically check for new software, you can still check for updates on-demand by clicking on Check for Updates. This will use your internet connection to access the latest version and tell you whether or not your AXiS is up-to-date. If there is new software available, you will be asked to confirm whether you wish to proceed to download.

Software Version
Simply displays your AXiS's current software installation version. This will be potentially useful if you need to seek technical support with some aspect of your AXiS.

Factory Reset
This option resets AXiS to its default factory values, erasing any personal settings which may have been configured, such as Time & Date, Network Profiles and Favourite Station Presets.
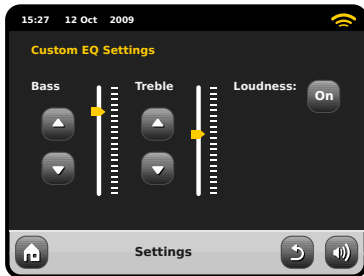
Your AXiS's current software version will be maintained, as will its registration with the Internet Radio Portal. If you have registered favourite stations via the internet portal, these will be maintained, unless you re-register your AXiS with another account on the portal.

Equaliser Settings

AXiS gives you control over its
default audio settings.

Select "Custom" to set your own preferences
for Bass, Treble and Loudness.

Press the "Back" button to save your settings
and return to the equaliser options list.

Troubleshooting

Problem	Possible Cause	Try This
FM: Hissing or DAB: Burbling/intermittent cut-out	Low signal strength.	Check/move antenna. Move radio to another location. Rescan local (high-strength) stations only. For DAB, check local coverage at: www.ukdigitalradio.com/coverage
DAB: "No Stations Available"	Low signal strength.	As above, then rescan stations.
Cannot connect to network	Network down.	Check that network is working between computer and router.
	Router restricts access to listed MAC addresses.	Obtain your AXiS's MAC address from System Settings > Network Settings > Current Settings and add to router list. Note: AXiS has separate MAC addresses for wired and wireless networks.
	Insufficient Wi-Fi signal strength.	Check distance to router. See if a computer can connect to the network in this location.
	Unknown encryption method.	Change encryption method on router. AXiS supports WEP, WPA and WPA2.
	Unusual network configuration.	Setup network manually through System Settings > Network Settings > Manual Settings.

Problem	Possible Causes	Try This
Cannot connect to network	Firewall preventing access.	Check the following ports are open on the router: UDP and TCP ports 80 and123. DNS port 53 Windows shares: ports 135 – 139 and 445 Windows media player: varies Non-Microsoft firewalls may require configuration for UPnP.
Cannot connect to Internet	Internet connection down.	Check that the Internet is working for a computer connected to the same network.
	Firewall preventing access.	Check the following ports are open: UDP and TCP ports 80 and 123. DNS port 53. Some Internet radio stations may require additional ports to be opened.
Cannot play a particular internet radio station	• Station not broadcasting. • Overloaded or insufficient bandwidth. • Station broadcasting using unknown codec. • Link out of date.	Try other stations. Try listening on computer via Internet Radio Portal website (see page 17). Try again later.
Cannot play Last.fm	'Unauthorized' message	Account details wrong. Account details not entered. Region not supported. (Last.fm is currently limited to the UK, USA and Germany due to licensing restrictions).
Last.fm: Insufficient content to play	Not enough tracks available or licensed to play for the particular artist or tag radio station chosen.	Select a different radio station.

Glossary

DAB	Digital Audio Broadcasting
DLS	Dynamic Label Segment (short text information broadcast with DAB audio)
FM	Frequency Modulation
RDS	Radio Data System
UPnP	Universal Plug and Play

Audio Specification

Driver	1x 58mm square NXT Balanced Mode Radiator full-range drivers utilising neodymium magnet systems
Power	Continuous 8W (RMS)
Frequency Response	90Hz to 20kHz (-6dB)
Acoustic Configuration	Bass reflex enclosure with port tuned to 100Hz
Sensitivity	83dB 1W, 1m (per channel)
Max SPL	>90dB SPL at 1m

REVO

AXiS

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www.revo.co.uk/support

Made for
iPod iPhone