

Wireless Internet Radio
& Media Player

IR 6114

ENGLISH

GUIDE



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CONNECTION AND PREPARATION

Before you can use your internet radio, you need the following:

- A broadband internet connection.
- A wireless access point (Wi-Fi) connected to your broadband internet, preferably via a wireless router.
- If your wireless network is configured to use Wired Equivalent Privacy (WEP) or Wi-Fi Protected Access (WPA) data encryption then you need to know the WEP or WPA code so you can get the internet radio to communicate with the network.

The WIR should work in all locations where the WLAN network is available. You will also need to know the name of your wireless network, i.e. its ESSID.

Before you continue, make sure that your wireless access point is turned on and connected to your broadband internet. To get this part of the system working you may need to read the instructions supplied with the wireless access point.

- The WIR works on Windows Compatibility 2000/XP.

Note

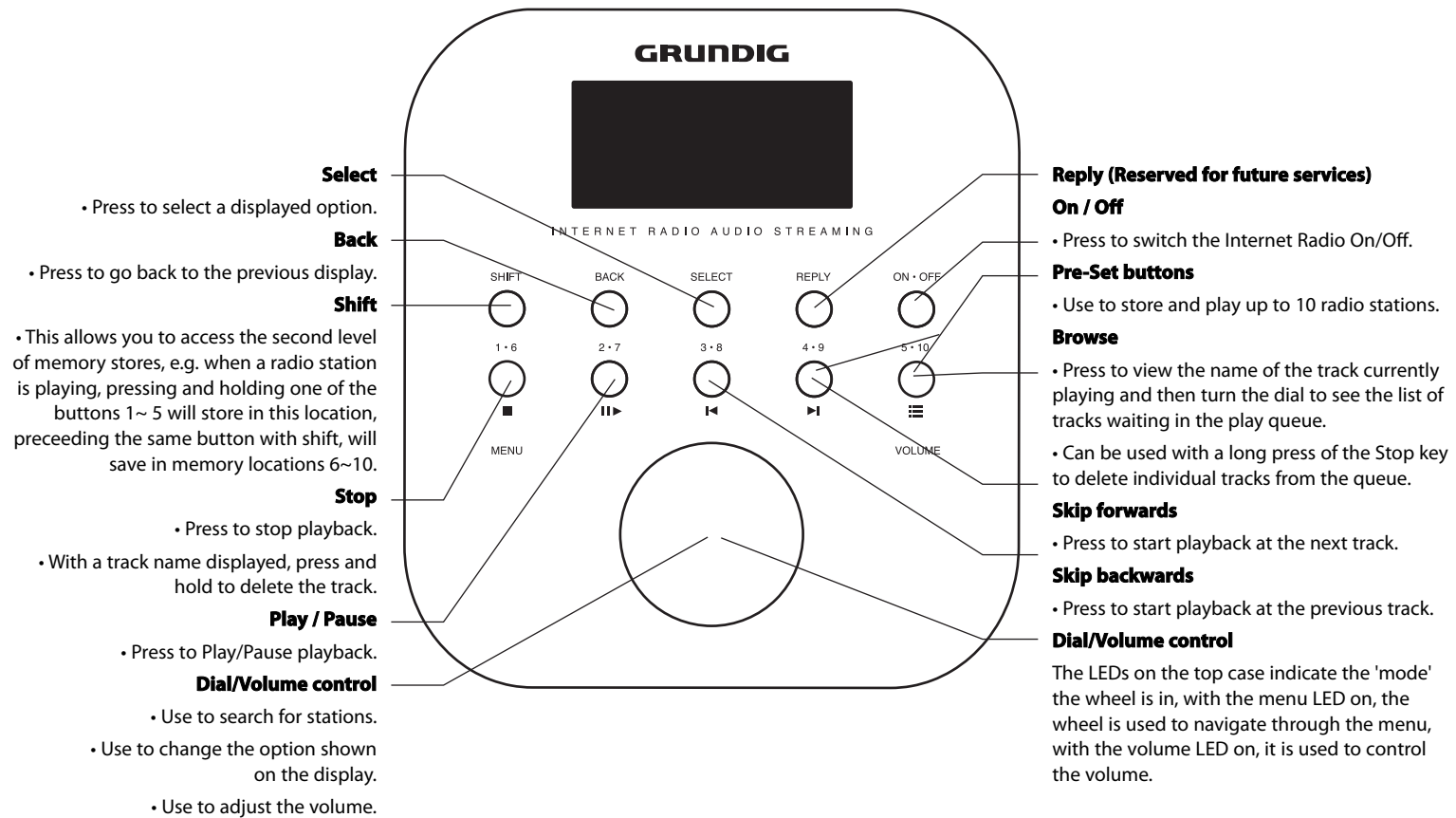
If you have a wireless laptop available you can check that the wireless network is up and working.

This guide has been written to provide a simple explanation of all the information you need to get the most from your WLAN Internet Radio/Media player.

What's in the box:

- The WIR - WLAN Internet Radio/Media Player
- Mains power adaptor
- User guide

OVERVIEW



DISPLAY ICONS

ICON	MEANING
	Shift Enabled.
	The radio is in Internet Radio mode and is playing a live stream.
	The radio is in Media Player mode. Media controls (PLAY/PAUSE etc) are active.
	The radio is in Internet Radio mode and is playing on demand content.
	Repeat mode enabled (only available when playing the queue).
	Shuffle mode enabled (only available when playing the queue).
	Signal strength indicator for the WLAN network.
	Sleep timer.

SETTING UP

Steps for connecting your radio to your wireless network

IMPORTANT NOTE

Navigating the menu

When the display shows text on the top line enclosed between the '<' and '>' symbols, it means there are other menu options available. Turn the dial clockwise or anti-clockwise to scroll and view the other options.

The WIR defaults to Volume mode, when playing files, and is put into Menu mode by pressing the 'Back key'. It will then time out from the menu back to Volume mode after 10 seconds of inactivity.

Step 1 - Switching on the radio

Plug the cable from the mains adapter into the socket labelled 7.5V DC on the back of the radio, then switch on at the mains.

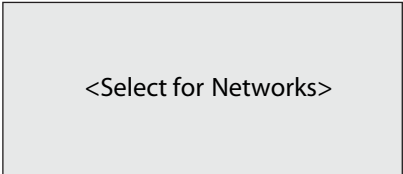
CAUTION: Use only the mains adapter supplied with the radio. Connecting a power supply with a different rating will cause permanent damage to the radio and may be hazardous.

The display on the front of the radio will light up and say:



Reciva Radio
ARM Powered

After a few seconds, this will change to show:



<Select for Networks>

Step 2 - Scan for a wireless network connection

When the display says <Select for Networks>, press the **SELECT** button.

Note

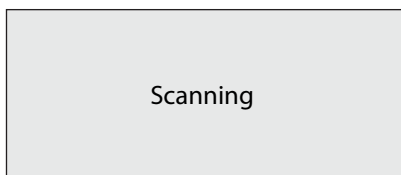
If you make a mistake at any point, press the BACK button to go back to the previous screen.

Note

Sometimes, when the radio is waiting for a reply from a PC or the Access point, you may have to wait for the command to time out before control is returned to the radio.

If your access point has its name (ESSID) hidden you will not be able to find it. Either you can enter the name of your Access point into the radio, or you can turn on the ESSID of your access point until you have found it.

The display will now show:



while the WIR searches for any available wireless networks.

If it can't find one then the display will show:



and you will have to get your wireless Access Point working (see the instructions supplied with it).

It could also be that your Access Point is out of range, or the ESSID (one of the Access Point settings) is hidden. This is the access point name and can be set up through the config screen of the Access point.

When the WIR finds your wireless network, it displays the name (ESSID) for the access point on the screen - this is a name which is allocated to the access point by the person who set up the network - for example:



It is possible (and in some locations highly likely) that your WIR will find more than one wireless access point, in which case you can choose which one you want to connect to. Turn the dial on the WIR to see the name (ESSID) for each access point the WIR has found.

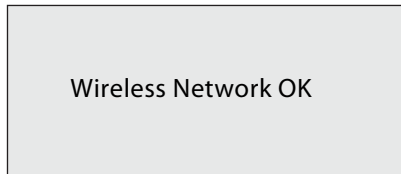
You should only connect to access points you own or have agreement to use.

Step 3 - Connect to the wireless network

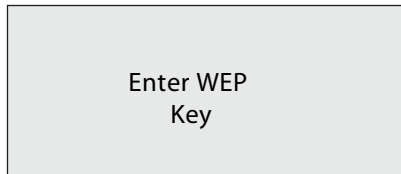
When the ESSID for the access point you want to connect to is displayed on the screen, press the **SELECT** button.

You might need to enter the correct WEP (Wired Equivalent Privacy) or WPA (Wi-Fi Protected Access) code.

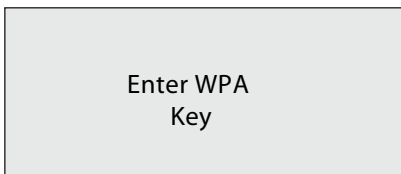
If your network is not configured to need a WEP or a WPA code. The display will show:



If the screen displays:



or



then the network is using one of the encryption systems: Wired Equivalent Privacy (WEP) or Wi-Fi Protected Access (WPA).

You therefore need to enter the correct WEP or WPA code into the radio for it to communicate with your network.

Note

The Encryption code would have been set up by the person who set up and configured your wireless network.

After 3 seconds the display goes into the code entry mode. Or you can press select.

Note

If the display does not automatically go into code entry mode, press the SELECT button.

To enter the code, use the dial to select each character of the code in turn, pressing the **SELECT** button after each character.

Note

Make sure the character you want is shown in the centre of the display to be able to select it.

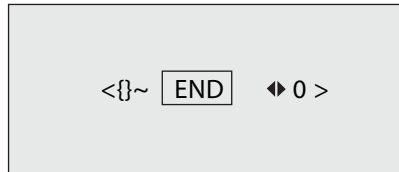
Note

WEP and WPA codes are sensitive to upper and lower case characters so you must enter them exactly.

Note

Please make sure WEP key code is the Default WEP key when you set up and configured your wireless network.

After the final character, use the dial to select END and press the **SELECT** button.

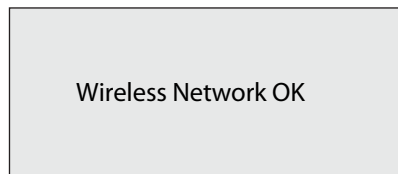


The display shows:



as the radio connects to the network.

Then:



Connecting external speakers or a headset

We advise that you switch the WIR OFF, before connecting or disconnecting any external accessories.

If you wish to use external speakers or a headset with 'The WIR', connect the speaker or headset adaptor into the 3.5mm stereo socket at the rear of the radio.

The volume control of the WIR control the volume level of the signal sent to the auxillary socket, so the WIR volume must be turned up.

The behaviour of the radio if the WEP/WPA keys are incorrect will vary according to the Access Point being used.

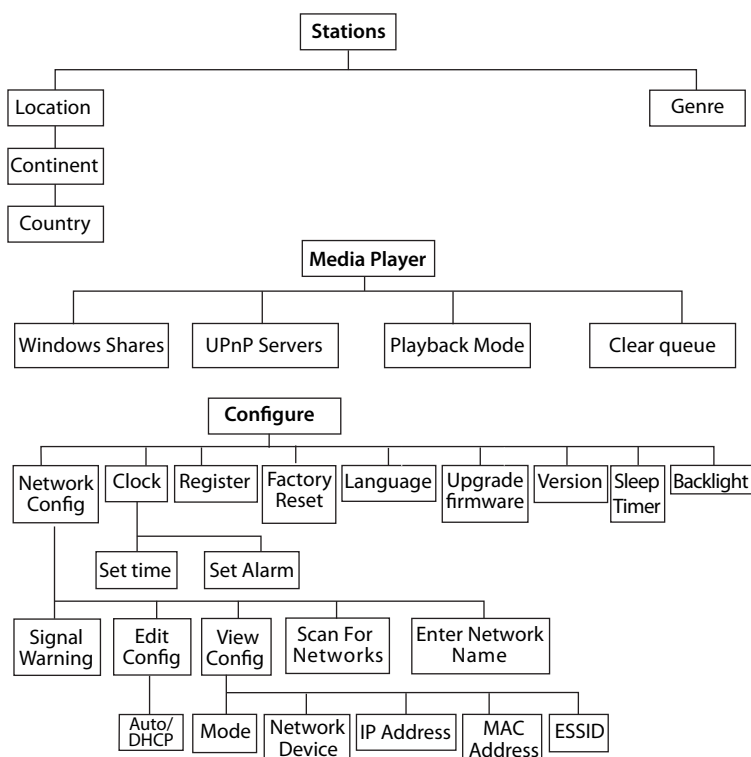
WEP(shared key) - "Stored key failed" or "Incorrect key"

WEP (open system) - " Network error. Timeout getting IP address".

WPA - "Wireless error 1000x" or "incorrect key".

USING THE WIR

The menu structure of the WIR is:



Choosing a radio station to listen to

When playing a stream, the WLAN Internet Radio/Media player, downloads a small amount of the stream before it starts playing. This will occur before your selected station starts to play.

- 1 With <Stations> displayed, press the **SELECT** button.

< Stations >

Or

If the screen does not display <Stations>, turn the dial until it does and then press the **SELECT** button.

Note

If you make a mistake at any point, press the BACK button to go back to the previous screen.

- 2 Turn the dial to choose from <Location> or <Genre> .
<Location> enables you to choose a Continent and then a country from that Continent. You can then select from a list of radio stations from your chosen country.
<Genre> enables you to choose radio stations according to their content, for example 90s, Classical, Dance or Rock.

3 Press the **SELECT** button to choose the option you want.

Either:



- a Turn the dial until the display shows the type of music you want to listen to (e.g. Rock) and press the **SELECT** button.
- b Turn the dial until the display shows the station you want and press the **SELECT** button.

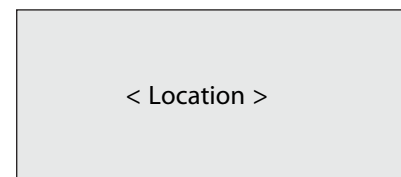
The radio connects to the selected station.

Note

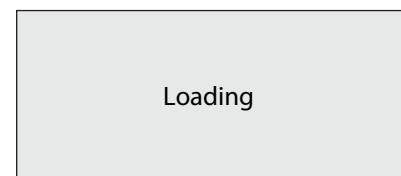
Some radio stations do not broadcast 24 hours per day, and some stations are not always on-line.

If this station has on-demand content (that is, it gives the option of listening to programmes which have already been broadcast), see "Stations which enable you to choose what you listen to".

Or:



- a Turn the dial until the display shows the Continent you want and then press select (or select 'All' to display all countries).
- b Turn the dial until the display shows the country you want and press the **SELECT** button.



is displayed, while the stations are buffering. Then the first available station name is displayed.

The quantity of radio station under the selected country should be shown.

When playing a stream, the WLAN Internet Radio/ Media player, downloads a small amount of the stream before it starts playing. This is used to fill in any gaps in the stream that may occur if the Internet or the wireless network is busy.

- c Turn the dial until the station name you want is displayed and press the **SELECT** button.

Changing the volume

When the blue Volume Light is on, you can change the volume by turning the dial clockwise to increase the volume and anti-clockwise to decrease the volume. The display shows the volume bar.

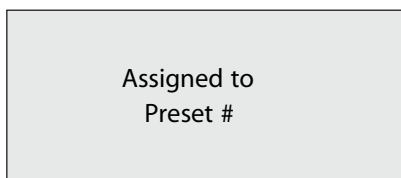
You cannot change the volume when the Volume Light is not on/flashing, i.e. when you are in a menu or when the radio is Connecting to a station.

Storing a radio station in a preset

When a radio station is playing, just hold down one of the preset buttons to store the station.

E.g. to store preset 1: press *and hold* the preset 1.6 button.

Or, to store preset 6: press the **SHIFT** button, then press *and hold* the 1.6 button.



Where # is the number of the button you held down.

Playing a preset radio station

When a radio station is playing, briefly press the preset button (1 to 10) for the station you want.

Do not hold the button down - if you do then the station currently playing will overwrite the one stored in the preset.

Requesting a station that is currently unavailable on-line

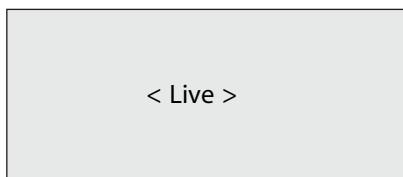
If you want to listen to a particular radio station which is currently not available on-line, you can visit the Reciva website at <http://www.reciva.com/> and put in a request to add the station to the list.

Switching the radio off and on

To switch off, press **ON / OFF** once and the clock will be displayed. To set the clock see page 15. To switch on, press **ON / OFF** once and the radio will take up to 60 seconds to start playing again, as it finds the radio station you were last connected to and loads it into its buffer.

Stations which enable you to choose what you listen to

Some radio stations enable you to listen to programmes that have already been broadcast. When you select a radio station which has this facility, the station does not start playing immediately but instead the display shows:



- 1 Turn the dial to choose <Live> or <On Demand> then press the **SELECT** button.
If you choose <Live> then the radio plays the current output from this station as normal.
If you choose <On Demand> then more screens are displayed where you choose what you want to listen to.
What is displayed will depend on the station you have chosen - the following steps are only a guide.
- 2 When you choose <On Demand> the display shows the names of the programmes. Turn the dial to choose the program you want, then press the **SELECT** button.
- 3 When you have chosen the programme you want to listen to, either it will just start playing, or the display may show a list of days for you to choose from - use the dial to set the day the programme was broadcast, then press the **SELECT** button.

- 4 After you have chosen the day, you may be able to choose the Start Time. Set the Start Time using the dial and press the **SELECT** button.
- 5 Programmes which enable you to choose the time also enable you to fast-forward and rewind to the part you want while the radio is playing. When you press **SKIP FORWARD** to play the next track or **SKIP BACKWARD** to play the previous track, the elapsed time that the programme has been playing is displayed. You can now turn the dial to change this time, up or down in 1 minute intervals (or you can use the **SKIP FORWARD** or **SKIP BACKWARD** buttons). When you press the **SELECT**
- 6 Once the Internet radio is playing a programme that allows you to choose its start time, the radio's preset buttons become playback-control buttons for the stream; e.g. you can press PAUSE at any time to pause the stream, and then press PLAY to resume playing. It is only possible to assign this type of stream to a preset numbered 6 – 10, so if you want assign the stream to a preset, then press SHIFT followed by a preset button.

Note

The elapsed time, is the time into the program, e.g. x mins after the start of the program.

As the radio stations do not specify how long a program is, the time will carry on running even after a programme has ended, so the elapsed time may exceed the length of the radio programme.

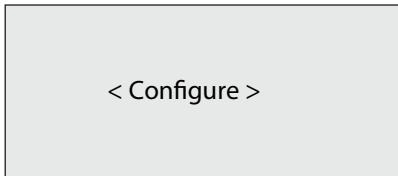
You can pause 'on demand', and re-start from the same point. If you press STOP, play starts from the beginning again. It is not possible to store an 'on demand' radio station to one of the pre-set memories.

Setting the clock

Note

If you make a mistake at any point, press the BACK button to go back to the previous screen.

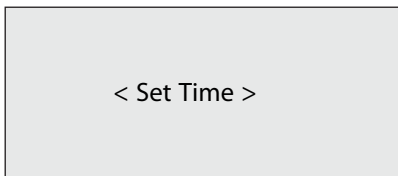
- 1 Press the **SELECT** button.
- 2 Turn the dial until the display says <Configure>.



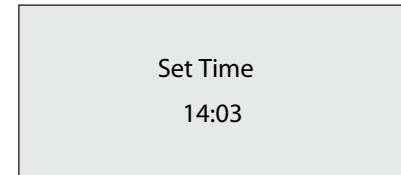
- 3 Press the **SELECT** button.
- 4 Turn the dial until the display says <Clock>.



- 5 Press the **SELECT** button.
- 6 Turn the dial until the display says <Set Time>.



- 7 Press the **SELECT** button.



- 8 Turn the dial until the hour setting is correct, then press the **SELECT** button.



- 9 Turn the dial until the minute setting is correct, then press the **SELECT** button.



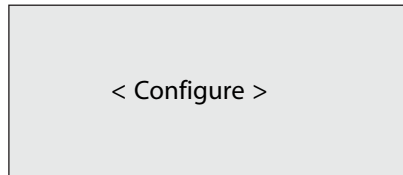
The display says Time Set with the new time shown beneath for 3 seconds, then returns to the radio station display.

Setting the alarm

Note

*If you make a mistake at any point, press the **BACK** button to go back to the previous screen.*

- 1 Press the **SELECT** button.
- 2 Turn the dial until the display says <Configure>.



- 3 Press the **SELECT** button.
- 4 Turn the dial until the display says <Clock>.

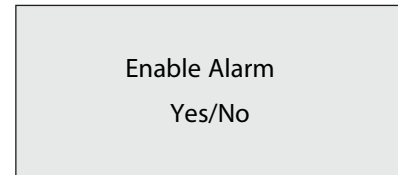


- 5 Press the **SELECT** button.

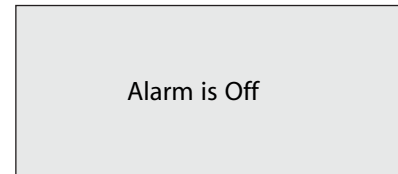
- 6 Turn the dial until the display says <Set Alarm>.



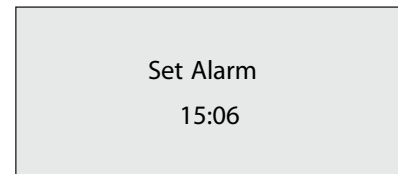
- 7 Press the **SELECT** button.



- 8 Turn the dial to swap between Yes and No and press the **SELECT** button. If you choose "No" then the alarm is turned off. The display says Alarm is Off for 3 seconds, then returns to the radio station display.



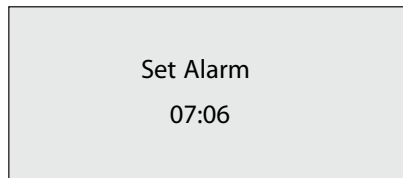
- 9 If you choose "Yes" then the display enables you to set the time for the alarm.



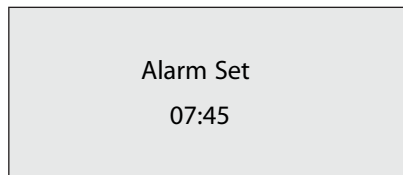
Note

If the media player was streaming music from a PC when the alarm was set and the unit turned off, the Alarm 'beeps' to alert the customer when the Alarm expires. When the user silences the alarm the Media player will try to reconnect to the stream it was last playing.

- 10** Turn the dial until the hour setting is correct, then press the **SELECT** button.



- 11** Turn the dial until the minute setting is correct, then press the **SELECT** button.



The display says Alarm Set with the time of the alarm shown beneath for 3 seconds, then returns to the radio station display. In standby, the alarm time is displayed in brackets under the main time.

Setting Sleep Timer

Note

If you make a mistake at any point, press the BACK button to go back to the previous screen.

- 1 Press the **SELECT** button.
- 2 Turn the dial until the display says <Configure>.
- 3 Press the **SELECT** button.
- 4 Turn the dial until the display says <Sleep Timer>

< Configure >

< Sleep Timer >

- 5 Press the **SELECT** button.

Sleep Timeout
< 00:00:00 >

- 6 Turn the dial until the timer setting is correct.

Sleep Timeout
< 00:00:30 >

Note

Turn the dial until the timer is 00:00:00 to disable the Sleep Timer

- 7 Press the **SELECT** button.

Timer Set

The display says Timer Set with the sleep timeout shown beneath for 3 seconds, then returns to the radio station display.

Note

Turn the dial until the timer is 00:00:00 to disable the Sleep Timer

Note

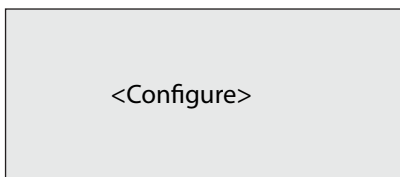
***The radio will go into standby mode after the sleep timer reached.
To turn the radio back on again, press the ON / OFF button.***

Setting Backlight

Note

*If you make a mistake at any point, press the **BACK** button to go back to the previous screen.*

- 1 Press the **SELECT** button.
- 2 Turn the dial until the display says <Configure>.



- 3 Press the **SELECT** button.
- 4 Turn the dial until the display says <Backlight>, then press the **SELECT** button.



- 5 Turn the dial to choose from <Active>, <Inactive> or <Standby>.



<Active> state when there is user activity.

<Inactive> state when there is no user activity for 30 seconds.

<Standby> state when the radio has been turned off.

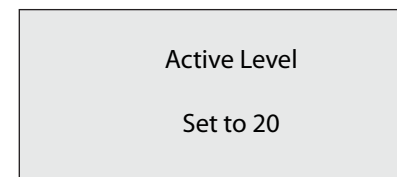
- 6 Press the **SELECT** button to choose the option you want, example <Active>.



- 7 Turn the dial to choose the backlight brightness from level 0 to 31. The brightness will immediately change when turn the dial.



- 8 Press the **SELECT** button.



The display says Active Level Set to the new level shown beneath for 3 seconds, then returns to the <Active> display.

GETTING STARTED WITH THE MEDIA PLAYER

In order to play the music files you have stored on your PC via the “Windows Shares” and “UPnP Servers” of the Media player you must ensure the following:-

- That your PC has the correct type of music files saved on it which are explained in the following paragraphs.
- The music files on your PC are not ‘protected’.
- That the music files are stored in the correct location on your PC.
- The PC has file sharing turned on.
- The music files can be ‘shared’ on the network.
- You know the Name of your PC.

The configuration of your PC and media files may already allow the WIR to stream the media you have stored. So it is worth trying to stream music from your PC, then resolve any issues that may arise, rather than than work through the following set up.

Music content

The Internet radio plays the most popular music types, being:

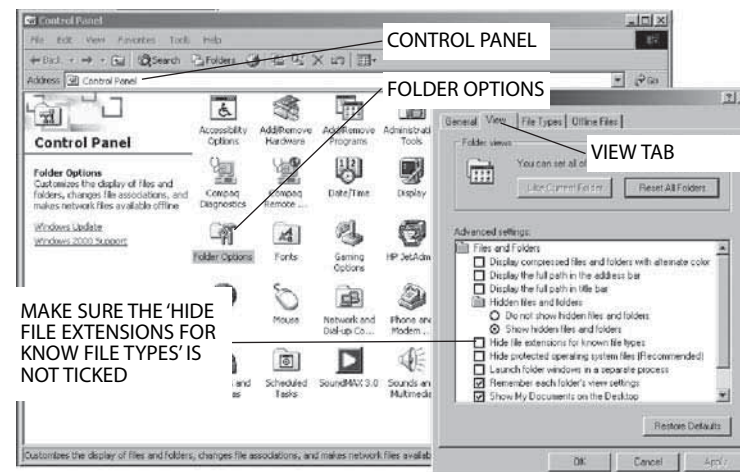
File type	File extension shown on PC (These are the letters that appear after the file name, e.g. Music.mp3)
MP3	.mp3
Windows Media	.wma
Real	.ra
I-Tunes (Unprotected)	.aac
Ogg Vorbis	.ogg

Note

If you are uncertain of the format of your music, please look in the folder on your PC and ensure that the file extensions are one of the above.

Windows normally hides the file extensions, so you may need to turn on ‘View File Extensions’. This can be done from the ‘Control Panel’, ‘Folder Options’ menu.

The option is labelled ‘Hide extensions for known file types’ and is found in the ‘View’ tab.



Ensuring files are not protected

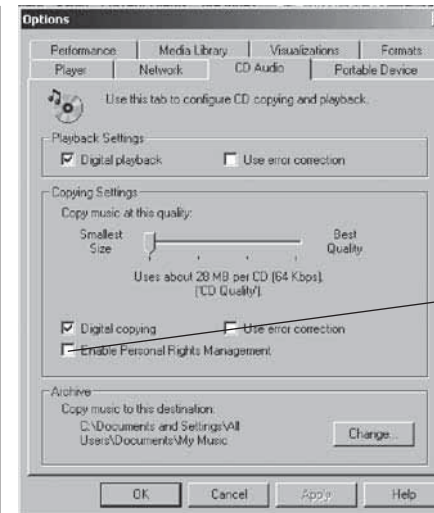
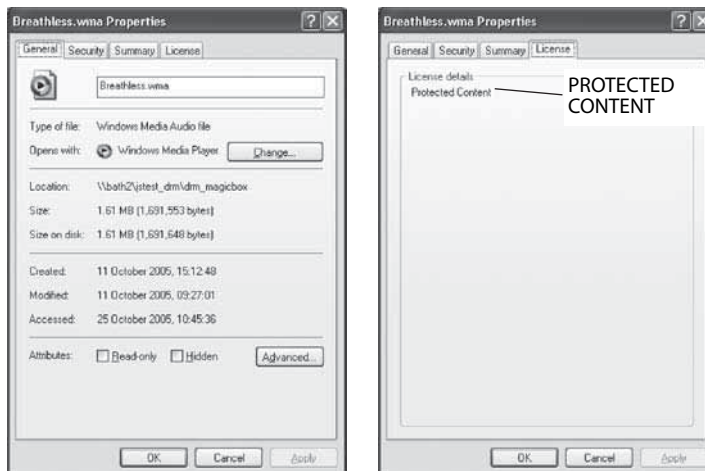
If you suspect an audio file is protected, the way you can confirm this in windows XP is by finding the file on your PC and right clicking on the file in windows click 'Properties'.

Protected files will have a 'Licence' tab which will say 'Protected content'. If the WIR tries to play a protected file, the display will say the file is 'Protected'.

Note

Unfortunately Windows 2000 does not have the same feature, so it is not possible to check. The simplest solution is to save a new file and ensure that the protection is off.

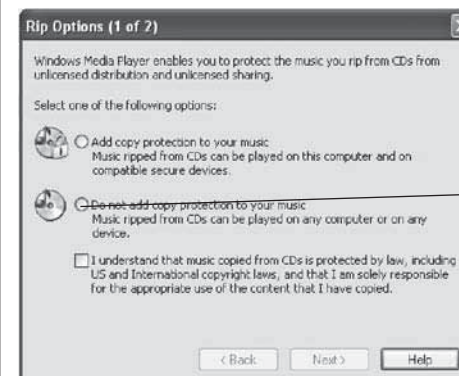
XP Only



THIS IS FROM A WINDOWS 2000 MACHINE WITH WINDOWS MEDIA PLAYER 7. THIS SCREEN IS REACHED FROM THE TOOLS PULL DOWN AND THEN SELECTING OPTIONS.

DISABLE THE PERSONAL RIGHTS MANAGEMENT FEATURE BEFORE COPYING YOUR CDS, AS IT WILL PREVENT THE INTERNET RADIO PLAYING THE STORED FILES

XP Pro with Media Player 10



YOU GET HERE BY SELECTING TOOLS FROM WITHIN WINDOWS MEDIA PLAYER, THEN OPTIONS.

DO NOT COPYRIGHT PROTECT MUSIC OR YOU WILL NOT BE ABLE TO PLAY IT VIA THE INTERNET RADIO

If the file is protected, then you will NOT be able to play it on the Media player.

You will either need to un-protect it, or save it again with the Personal Protection turned off.

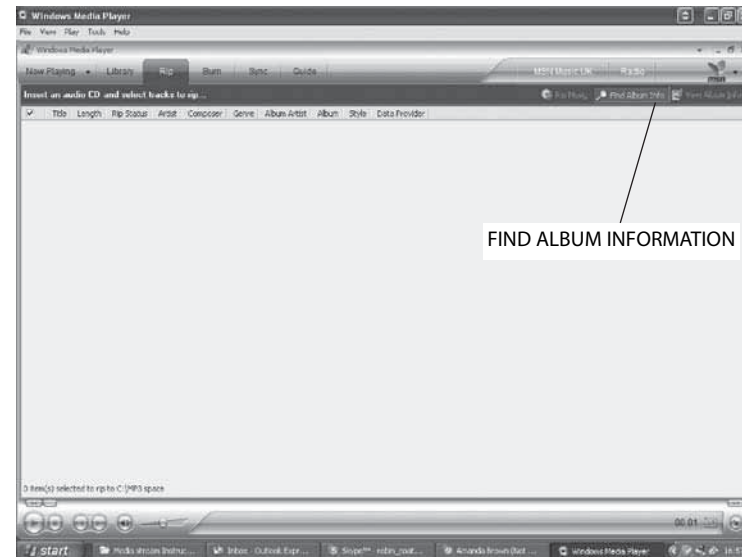
Notes on Ripping Music

Sometimes when you put a CD into the PC it will display 'Unknown Album' 'Unknown Artist' and 'Unknown Tracks', obviously this makes choosing media difficult. However, most CD copy programmes like Windows Media Player 10, have an option to find the information from the internet, so providing you are connected to the Internet, selecting 'Find Album Info' should update all of the information for you.

Note

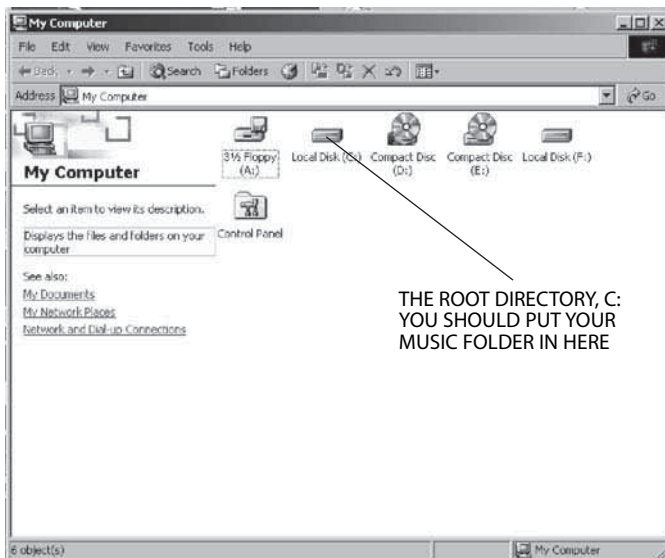
The default setting for Windows media player is that it will automatically try to update the track information if the PC is connected to an active broadband connection.

Windows Media Player on XP Pro



Location of My Music Files

The simplest place to store your music is at the 'top' of the PC's hard drive. This is normally referred to as the 'root directory'. To find the root directory, go to 'My Computer' and find the 'C:' location. This is the root directory and you should put your music in a folder in this directory.



Note

If you have copied your music to your hard drive using Windows Media. It will have stored the music in the 'My Music' folder. Unfortunately this is a protected folder, and cannot always be 'shared', so you will need to move the content to the root directory. Likewise music files cannot be shared from the CD Drive.

To do this go to the folder where the 'My Music' folder is located; normally C:\Documents and Settings\[Username]\My documents\My Music.

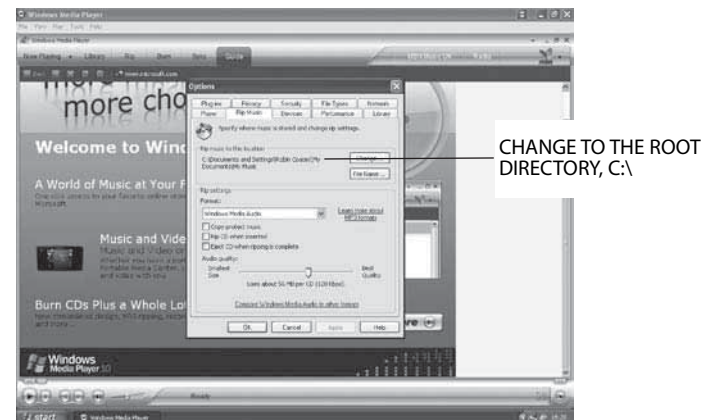
Then cut this folder and paste it to the root directory 'C:\'.

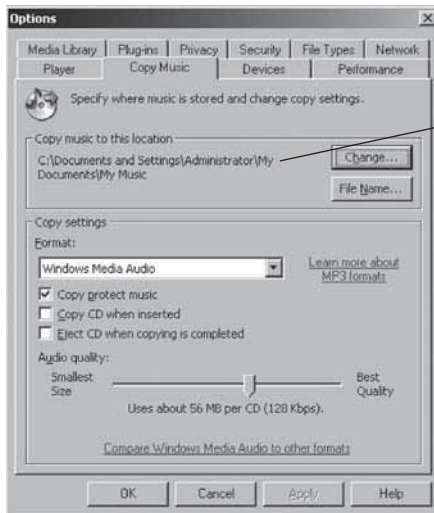
Windows Media Player will still be able to play your music from its new location, but you will need to tell Windows Media Player to search and find the new location of your music. You can do this by entering the 'Library' tab in windows media player and selecting 'Add to Library' from the 'File' menu, you can instruct windows media player to search the entire drive for media.

To ensure that Windows Media player stores all future music you save on your PC to the same folder in the root directory, from within Media Player select the 'Rip Music' tab in the 'Options' dialog bar, found under the 'Tools' menu.

Note

If the 'File' and 'Tools' menus are hidden, right click near the top of windows media player and select 'View', 'Menu Bar Options', 'Show Menu Bar' from the context menu.

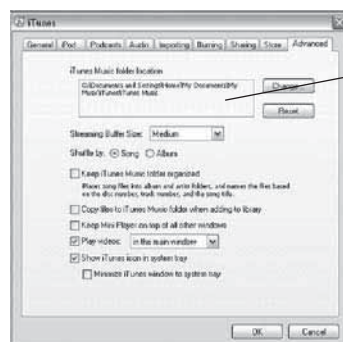




CHANGE TO THE ROOT
DIRECTORY, C:\

If you are using I-Tunes, then by default the CD copy software stores the music to:-

c:\Documents and Settings\Home(name of your computer user)\My Documents\Music\iTunes\iTunes Music.



CHANGE TO THE ROOT
DIRECTORY, C:\

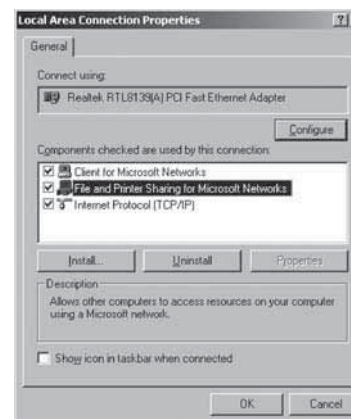
PC File Sharing

Follow the instructions shown in 'Sharing files' (see page 24), if the Sharing option is not highlighted (not available for selection), you will need to enable Global file sharing as described in this section.

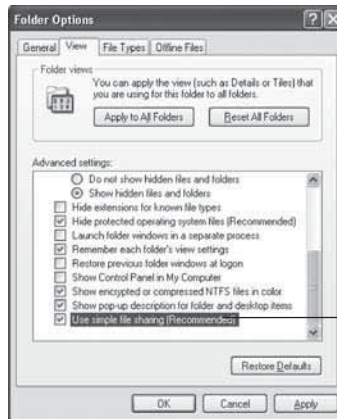
In Windows XP there is a Wizard which does the configuration for you. In the 'Control Panel', select 'Network Connections', select File and 'Network set Up Wizard'. The wizard is called 'Set up a home or small office network'.

In Windows 2000 ensure that 'File and Printer Sharing for Microsoft Networks' is installed. This can be verified by selecting 'Properties' on the LAN connection from 'Network and Dial-up connections' in the Control Panel.

Windows 2000



Windows XP:

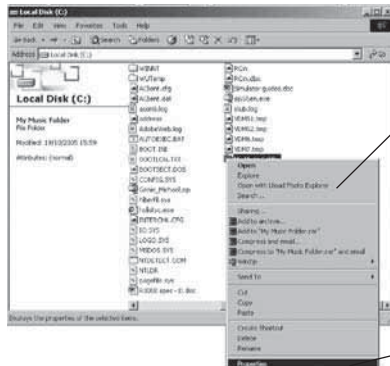


USE SIMPLE FILE SHARING OPTION

Sharing files

You now need to set the properties of the folder where the music to be 'shared' is stored.

- First find your music folder in the root directory, then right click on it and select 'Properties':

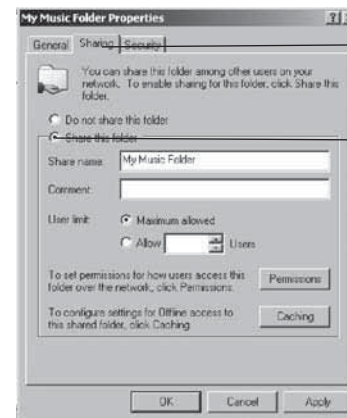


RIGHT MOUSE CLICK ON THE 'MY MUSIC FOLDER' WHICH IS IN THE ROOT DIRECTORY

THEN SELECT PROPERTIES

When the 'Properties' window opens, select the 'Sharing' tab and click on the button that allows file sharing:

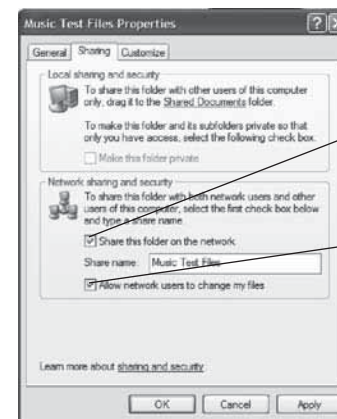
In Windows 2000, it will look similar to this



SHARING TAB

ALLOW THE FOLDER TO BE SHARED

In Windows XP, it will look similar to this

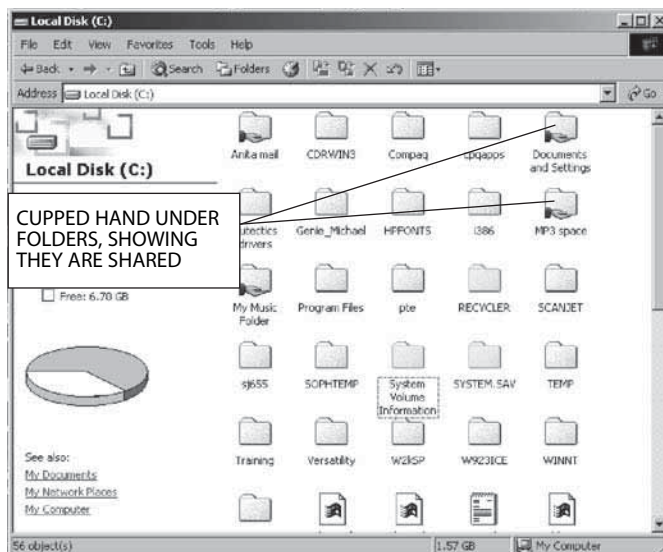


TICK SHARE THIS FOLDER

ALSO ALLOW THE FILE TO BE CHANGED, AS THIS WILL ENABLE THE RADIO TO MAKE A LIST OF THE MUSIC YOU HAVE AND SPEED UP SEARCHING. IF YOU DO NOT ALLOW THIS, THE WIR WILL HAVE TO RE-SCAN YOUR ENTIRE MUSIC COLLECTION EACH TIME YOU ACCESS THE PC.

You MAY need to enter a 'Share name' (Windows sometimes does this automatically). You can enter any name you want, and once the Internet radio has found the folder with your Music in it, the Radio will display the share name rather than the folder name.

When the folder is shared, the folder icon will be shown with a cupped hand holding the folder:



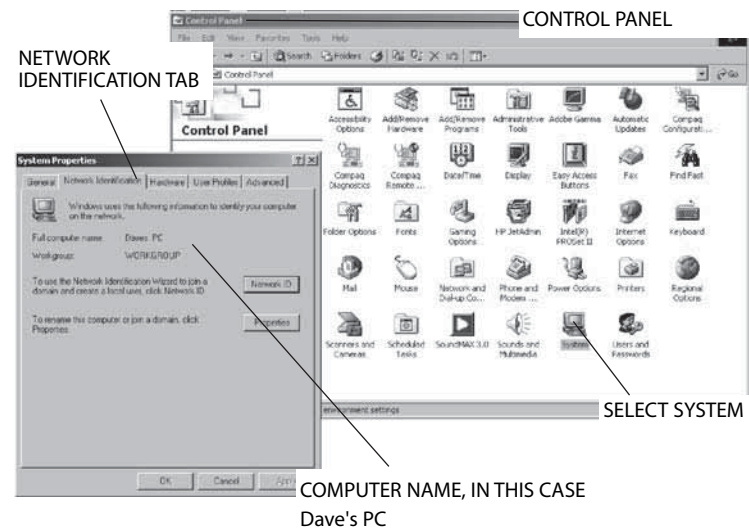
Your PC Name

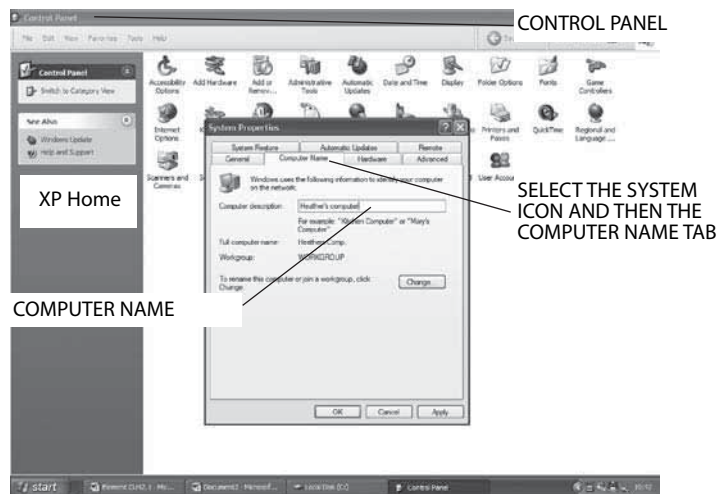
When you search on the Internet Radio for PCs, it will identify your PC by its name. To confirm the name of your PC, go to the 'Control Panel' and select 'System' and then the 'Network Identification' tab:

Note

If you only have one PC on the network, then there is no need to check the name as it will be the only one on the network.

Windows 2000





Note

The view of Control panel shown here is the classic, an alternative view showing 'Categories' is also available, in this view, select 'Performance and Maintenance', and then 'System properties'.

UPnP Servers Set up

Installing Window Media Connect

- 1 Windows XP based PC (Home Edition or Professional) is required for the set up of UPnP Servers.
- 2 Windows Media Connect is able to free download from Microsoft website or Windows Update Installer.

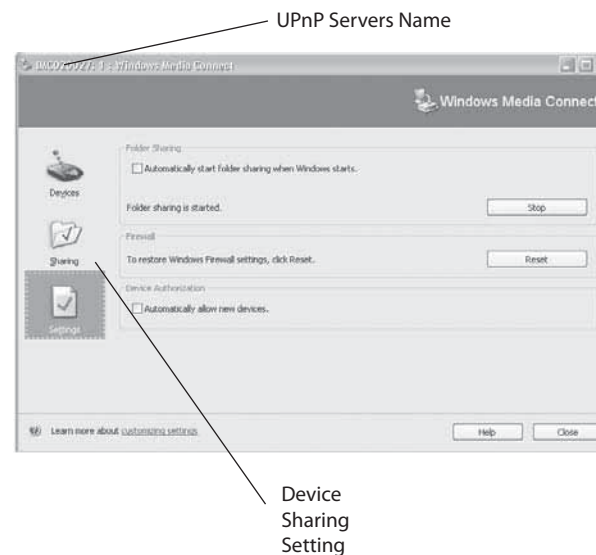
UPnP Music Sharing

- 1 Open Windows Media Connect program. At the “Sharing”, click “Add” to add the music folder that willing to share in the UPnP server. You shall able to choose the sharing folder whether is share to all devices or only selected device.
- 2 The UPnP server’s name shall able to confirm at the Top Title Bar of the Windows Media Connect.
- 3 Once the WIR had connected to the UPnP server, you are able to view the WIR listed in the “Devices” of the Window Media Connect on your PC.

Note

Windows Media Connect in UPnP server only can support below music types :

File type	File extension shown on UPnP Server
MP3	.mp3
Windows Media	.wma



Instructions for streaming

- 1 Select Media Player on the WIR.

Switch on the Internet Radio and press Back until you are at the top level menu. Turn the dial until Media Player is displayed and press the **SELECT** button.

- 2 Turn the dial to choose from <Windows Shares> or <UPnP Servers>.

Windows Shares

- 1 Press the SELECT button to choose <Windows Shares>. Scan for PCs is displayed, press the **SELECT** button. Your computer network will scan and a list of all available PCs will be displayed on your Internet Radio.

Note

If a PC does not have global file sharing turned on, or a third party firewall is protecting the PC it will not be visible when you scan for it. Please refer to the Troubleshooting section in this document to overcome this problem.

- 2 Turn the dial to highlight the PC you want to play music from and press the **SELECT** button.

Note

You may be asked to enter a username and password to access the PC you have selected. This is the same user name and password you would enter if actually sitting in front of the machine.

- 3 Finding folders

The Internet Radio will now scan the PC you have selected and display a list of any folders which have got 'sharing' enabled.

Note

Your PC may have folders shared which do not contain music. The Internet radio is just searching for shared folders, so will find all shared folders, regardless of content.

Turn the dial to select the folder that contains the saved music, and press the **SELECT** button.

- 4 Selecting music

You can now view the content of the shared folder by Album or Artist. Use the dial to move through the list.

- 5 Adding music to the queue and managing the queue.

When you select music to be played, it is added to the Play queue, and played sequentially. The queue can be stopped or viewed by pressing the queue play control keys (underneath the 1.6, 2.7, 3.8, 4.9, 5.10).

A single track can be deleted from the queue, by browsing the queue, and then pressing and holding the **STOP** button for more than 2 seconds, or the entire queue can be deleted from the top level Menu.

UPnP Servers

- 1 Press the SELECT button to choose <UPnP Servers>.

List of all available UPnP Servers will be displayed on your Internet Radio. If no UPnP server is detected, <EMPTY> is displayed.

- 2 Turn the dial to highlight the UPnP Servers you want to play music from and press the SELECT button.

Finding folders

- 1 The Internet Radio will now scan the UPnP Server you have selected and display a list of any folders which have got 'sharing' enabled.
- 2 Turn the dial to select the folder that contains the saved music and press the SELECT button.

Selecting music

- 1 You can now view the content of the shared folder by Album, All Music, Artist, Folder, Genre and Playlist. Use the dial to move through the list.
- 2 Adding music to the queue and managing the queue.
When you select music to be played, it is added to the Play queue, and played sequentially. The queue can be stopped or viewed by pressing the queue play control keys (underneath the 1.6, 2.7, 3.8, 4.9, 5.10).

A single track can be deleted from the queue, by browsing the queue, and then pressing and holding the **STOP** button for more than 2 seconds, or the entire queue can be deleted from the top level Menu.

Locate the audio files using the radio

- 1 Switch on the radio.
- 2 Wait for Stations to be displayed or for playback to start.
- 3 Press the **BACK** button repeatedly until Stations
- 4 Turn the dial until the display shows Media Player
- 5 Press the SELECT button. Turn the dial to choose from <Windows Shares> or <UPnP Servers>.

Windows Shares

- 1 Press the SELECT button to choose <Windows Shares>.
The display will show Scan For PCs.
- 2 Press the SELECT button. The display will show Finding PCs and a rotating bar will be displayed.
- 3 Turn the dial to highlight the correct PC.
- 4 Press the **SELECT** button. The radio searches for shared folders.
- 5 Turn the dial to highlight the correct folder.
- 6 Press the **SELECT** button. File Scan is displayed. Text on the bottom row of the display will change to indicate that the file scan is in progress. If you have a large number of audio files this could take several minutes to complete.
- 7 By Album will be displayed when the file scan is complete.

UPnP Servers

- 1 Press the SELECT button to choose <UPnP Servers>. The display will show the available UPnP Servers list. <EMPTY> will show if no UPnP servers have found.
- 2 Turn the dial to highlight to choose the UPnP Servers.
- 3 Press the SELECT button. The radio searches for shared folders of the UPnP server.
- 4 Turn the dial to highlight the correct folder.

Note

The <Music>, <Picture>, <Playlist> and <Video> shall always display when you turn the dial to move the highlight. Please make sure that supported file's folder is selected such like <Music>

- 5 Press the SELECT button.< Album> will be displayed when the folder scan is complete.

Listening to a single track by a specific artist

Before you can select by artist, you must have scanned for PCs and selected one, and found a folder with the content in it that you want to select from.

- 1 Turn the dial until By Artist is displayed
- 2 Press the **SELECT** button.
- 3 Turn the dial until the required artist is displayed.
- 4 Press the **SELECT** button.
- 5 Turn the dial until the required album name is displayed.
- 6 Press the **SELECT** button. Add to Queue is displayed.
- 7 Turn the dial until the required track is displayed.
- 8 Press the **SELECT** button, the track will begin playing.

Listening to a complete album by a specific artist

- 1 Turn the dial until By Artist is displayed.
- 2 Press the **SELECT** button.
- 3 Turn the dial until the required artist is displayed.
- 4 Press the **SELECT** button.
- 5 Turn the dial until the required album name is displayed.
- 6 Press the **SELECT** button. Add to Queue is displayed.
- 7 Press the **SELECT** button. The album will begin playing.

Adding tracks to the queue

- 1 Find the track either via the 'By Genre' or 'By Artist', select the album which holds the tracks, but rather than 'Add the Album to Queue', rotate the wheel to step through the tracks on the album, and press **SELECT** to add that track to the queue.
- 2 Press the **SELECT** button, Track Added To Queue is displayed.

Note

Under UPnP mode, find the track by selecting either the 'Album', 'Artist' or 'Genre' are possible.

Queuing up albums for playback later

- 1 Highlight the required album.
- 2 Press the **SELECT** button.
- 3 Turn the dial until Add to Queue is displayed.
- 4 Press the **SELECT** button. Tracks Added to Queue is displayed.

Controlling playback

- 1 Use the **■** button to stop playback.
- 2 Use the **II ▶** button to either pause a currently playing track or to restart a currently paused track or to restart a stopped track.
- 3 Use the **⏮** button to start playback of the previous track in the queue.
- 4 Use the **⏭** button to start playback of the next track in the queue.

Browsing the list of tracks currently queued up for playback

- 1 Press the **≡** button. The currently playing track name will be displayed and the total size of the queue e.g 1 of 10.
- 2 Turn the dial to see which tracks are queued up for playback.
- 3 If you want to jump to a particular place in the queue then press the **SELECT** button when the required track is displayed.

Removing tracks from the queue

- 1 Press the **BROWSE** button. The name of the track currently playing will be displayed.
- 2 Turn the dial to select the track you want to remove from the queue.
- 3 Press *and hold* the **STOP** button for 2 seconds. The display will show Delete Track? Yes/No .
- 4 Turn the dial to highlight either Yes or No.
- 5 Press **SELECT** to confirm you want to delete the track from the queue.
- 6 If Yes was selected then 'Removed From Queue' will be displayed.
- 7 Alternatively the entire queue can be deleted from the menu option 'Media player' > 'Clear queue'.

Playing tracks in random order

- 1 Select the individual tracks as described previously and place them in the queue.
- 2 Navigate to top level menu item MediaPlayer using the **SELECT** and **BACK** buttons.
- 3 Press the **SELECT** button.
- 4 Turn the dial until <PlaybackMode> is displayed.
- 5 Press the **SELECT** button.
- 6 Turn the dial until <Shuffle> is displayed.
- 7 Press the **SELECT** button.
- 8 Turn the dial to select YES to confirm that shuffle mode should be enabled. This will shuffle the existing queue and shuffle any new tracks that are added. However, if when the WIR has a shuffled queue, the customer turns off the shuffle feature, the current queue is NOT unshuffled, but any new tracks are not shuffled.

Playing tracks in the queue repeatedly

- 1 Select the individual tracks as described previously.
- 2 Navigate to top level menu item MediaPlayer using the **SELECT** and **BACK** buttons.
- 3 Press the **SELECT** button.
- 4 Turn the dial until PlaybackMode is displayed.
- 5 Press the **SELECT** button.
- 6 Turn the dial until Repeat is displayed.
- 7 Press the **SELECT** button.
- 8 Turn the dial to select YES to confirm that repeat mode should be enabled.
- 9 To turn off selected tracks return to the same menu option; Repeat or Shuffle.
- 10 You will be asked if you wish to Disable, Yes or No.
- 11 Press the **SELECT** button.

CONFIGURE MENU

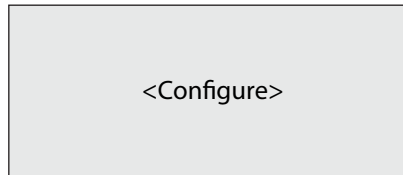
Choosing the option you want from the Configure menu

- 1 Press the **SELECT** button.

Note

If you make a mistake at any point, press the BACK button to go back to the previous screen.

- 2 Turn the dial until the display shows <Configure>.



- 3 Press the **SELECT** button.

- 4 Turn the dial until the display shows the option you want. The following options are available:

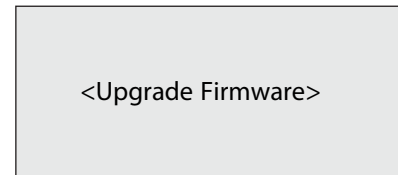


Enables you to scan again for connection to another wireless network, or to manually configure the network parameters. Use

this if you take the internet radio to another building where you want to use it. See “Steps for connecting your radio to your wireless network”, page 7.



Displays the version numbers of the various parts of software and hardware on your internet radio.



Use this option to download new firmware for the radio from the Reciva portal on the Internet. If there is new firmware available, then the radio will prompt you if you want to download it or not. Note, at this stage, you can press the radio's **BACK** button to cancel the radio beginning a firmware upgrade. A Firmware upgrade may take several minutes, so do not switch off the power to the radio until the operation is complete otherwise the radio may become permanently damaged.

<Language>

Allows you to change the display language.

<Factory Reset>

Puts all the settings back to their defaults as they were when they left the factory. Only do this if, in the unlikely event, your radio has locked up - as you will lose all your presets and your wireless network connection.

<Register>

This will display a key that can be used to register the radio on the Reciva Customer portal : <http://radio.reciva.com/> . This site will soon allow you to enable advanced interactive features such as

- Defining a favourites menu that will be displayed on your radio.
- Send you an email when you press the **REPLY** button to let you know which track you were listening to (reserved for future services).

- Purchase the current track that you are listening to.

<Clock>

Use this option to set the time, to set an alarm, see "Setting the clock" and "Setting the alarm"

- Allow you to set the timer for the radio to go to Standby mode.

<Sleep Timer>

- Adjust the brightness level of the radio backlight while the radio backlight while the radio in Active, Inactive and Standby state.

<Backlight>

- 5 Press the **SELECT** button to choose the option shown on the display.

TROUBLESHOOTING

If you have trouble connecting the radio to your wireless network, these steps may help to resolve the problem:

- Confirm that a WLAN connected PC can access the Internet (i.e. can browse the web) using the same network.
- Check that a DHCP server is available, or that you have configured a static IP address on the radio.
- Check that your firewall is not blocking any outgoing ports. As a minimum the radio needs access to UDP and TCP ports 80, 554, 1755, 5000 and 7070.
- Some access points may be set so that only equipment with registered MAC addresses can connect to them. This is one possible cause of the WIR being unable to connect to the WLAN network, and the WIR display will show Bad ESSID or Key. To overcome this problem you will need to add the WIR's MAC address to the list of allowed equipment in your Access point. The WIR's MAC address can be found using the menu item Configure -> Network Config-> View Config -> MAC address. You will need to refer to the guide for your Access Point in order to enter the WIR as an allowed piece of equipment.
- If you have an encrypted network, check that you have entered the correct key or passphrase into the radio. Remember that text-format keys are case sensitive. If, when attempting to connect to an encrypted network, your radio display: 'Wireless error' followed by a 5-digit number, then please ensure that you enter the correct passphrase for the network. If the problem persists, then you may need to consult your network configuration.

- If your Wireless network name (ESSID) is 'Hidden' (a setting on the wireless access point), then you can either turn on the 'name', or you can manually enter the name into the Internet Radio and media player, Select Configure, Select Network Config, Enter Network Name. Confirm if the Network is encrypted, e.g. requires a WEP or WPA key, then enter the network name.
- If the display shown Wireless Connect Timeout, you can back to 'Configure', select 'Factory Reset' then Internet Radio will be reboot. After reboot select 'Configure', 'Select Network Configure', Select 'Scan for Networks' and then select your Wireless network. (You may need to enter a security key to access the network wireless and make sure WEP key you enter is Default WEP key when set up and configured your wireless network).

If your radio can connect to the network successfully, but is unable to play particular stations, it may be due to one of the following reasons:

- The station is not broadcasting at this time of the day (remember it may be located in a different time zone).
- The station has too many people trying to attach to the radio station server and the server capacity is not large enough.
- The station has reached the maximum allowed number of simultaneous listeners.
- The station is not broadcasting anymore.

- The link on the radio is out of date. This is updated automatically every day, so the next time you turn on the link will be recognised.
- The Internet connection between the server (often located in a different country) and you is slow. Some Internet Service Providers may fail to stream in certain geographical areas.

Try using a PC to play back the stream via the broadcaster's web site. If you can play back the station with a PC, use the form at http://www.reciva.com/stations/add_station.asp to notify us so that we can change the station data that is used by the radio.
- If you have a laptop, try connecting it if your Internet Radio cannot find the station.

When you Scan for PCs none can be found, or the PC you are looking for does not appear in the list:

- Global File sharing is not enabled on the PC you are looking for (see page 24).
- The PC you are looking for is in another part of the network separated by a router. (This may happen if you have two access points on the same network, and the Media source is on one Access Point and the Internet Radio is on another).
- The PC with the Media content may not have the same workgroup as the server managing the network. The easiest solution is to change the PC workgroup name to the same as that being supported by the server.

- You have not connected to the wireless Access point. On the Internet Radio, select 'Configure', 'Select Network Configure', 'Select Scan for Networks' and then select your Wireless network. (You may need to enter a security key to access the network wirelessly).
- You have not enabled simple file sharing on Windows 2000. In Windows 2000 the simple File sharing can be turned on by going to the Control Panel, selecting Folder options, view Tab. The safest way for users to enable the service is to run the 'Set up a home or small office network' Wizard from Control Panel, Network Connections.
- You have a firewall set on your PC which is stopping you accessing shared files. Windows 2K doesn't come with a real firewall so unless you have installed one this should not be a problem.
- You have a third party firewall in your network, which is preventing file sharing. If you have a third party firewall (like Norton, or ZoneAlarm) that will have its own control panel and you will need to consult the manual for your firewall.
- If your PC is connected to a managed network, with a server, sometimes the PC being searched for needs to be server Workgroup.
You can see the PC you want to play music from, but cannot find any folders on the PC:
- The folder which has your music in it is not shared. You will need to locate the file you want to share, right click on the folder, and select 'Properties', then tick share this file.

- The folder is not in an accessible place, i.e. it is in, My Music, My Documents or on the Desktop. You will need to move the folder to the root directory, see page 22 for instructions on how to do this.
- You have entered the wrong user name or password for the PC account you are trying to access. Check and re-enter the user name and password, note the password is case sensitive.
- You have a firewall running which is preventing the internet radio from seeing the shared folder. As a quick check, you can disable firewalls like Norton to see if this overcomes the problem, if this resolves the issue then you can either leave the firewall off, or allow file sharing through the firewall.

Note

If you firewall is required to provide security for your system, it should not be left off.

Note

Although you can share a CD Drive, you cannot stream music directly from the drive.

Whenever I enter my Media folder, the Internet Radio re-scans the content of the folder:

- Although the folder with your music in it is shared, it is 'write protected', so the Internet Radio cannot save a list of the folder's content back onto the PC, as it needs to re-scan each time.

Tick the box that allows the Folder to be modified across the network (see page 25).

Although I can see my music files in the folder, I cannot play them and the Internet Radio says they are 'Protected':

- When you copied the music files to the hard drive you had 'Personal Rights Management' turned on, this protects the files from being played by a third party device like the Internet Radio, you will need to copy the music files again, but with the protection turned off.
- You are trying to play I-Tune Files which have been purchased from the I-Tunes on line store, these are protected and can only be played on an I-Pod. Locally created or 'ripped' files for I-Pods can be played as they do not carry the extra layer of Media Protection.

I can access the PC with my Media, but when I change to the User Account, I cannot see the folder, although it is shared when I check my PC:

- The Alternative account on the machine may be Private. If when the account was created, the 'Make this account Private' option was selected, then the contents of this account cannot be seen over the network. You will need to move the music to an accessible account.

I cannot Share a folder, as the option is not highlighted:

- The share folder option will not be available until you have turned simple file sharing on. Run the wizard (see page 24).

Scan Error:

- When the Internet Radio is scanning the content of the folders on a PC, it is possible that a scan error may occur if the Windows file sharing application times out. This is most likely to occur if both the PC with the media content and the Internet Radio are connected wirelessly.

Try re-connecting the PC with the media content into the network via Cable. This will dramatically increase the speed at which the WIR is able to scan the content of the Media PC.

Playlists:

- Some media ripping applications allow 'Playlists' to be created. The WIR is able to detect and stream these playlists, but they must be stored in the folder with the rest of the Media content and they must have the file extension .m3u.

Windows Mediaplayer can create suitable playlist, just select 'create new playlist', drag and drop the tracks you want into the playlist, then use 'Save as' to ensure the file type is .m3u. (Existing play lists can be opened and re-saved in this format)

When the WIR detects you have playlists, it will enable a new menu option allowing the playlist to be selected and added to the queue.

If you re-connect to another PC or folder, which does not have any Playlists in the .m3u format, the playlist option will not be presented in the menu.

If the WIR keeps re-buffering radio stations:

- The WIR is streaming the data from the radio stations via your broadband connection, if there is a high error rate on your broadband connection, or the connection is intermittent, then it will cause the WIR to pause until the connection is re-established and it has received enough data to start playing again.

If your WIR keeps stopping, please check the DSL modem to ensure that the Broadband line is not suffering a high error rate or disconnections. If you are experiencing these problems, you will need to contact your broadband supplier.

What is Buffering?

When playing a stream, the WLAN Radio/Media player, downloads a small amount of the stream before it starts playing. This is used to fill in any gaps in the stream that may occur if the Internet or the wireless network is busy.

- The Internet Radio streams music data from the PC while you are listening. If a stream gets blocked or experiences Internet congestion while transferring it may stop/interfere with the quality of play. If this happens, check your internet connection speed – it must be faster than the speed of the streams.

SOFTWARE LICENCE INFORMATION

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<http://www.reciva.com/gpl/>

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is a trademark or a registered trademark of RealNetworks, Inc."

INFORMATION

Technical data

Power Supply

External Adapter : DC 7.5V  1.3A

Audio Specification

1. Speaker Output

1.1 Signal to Noise Ratio : over 60dB

1.2 Total Harmonic Distortion (THD+N) : less than 0.1%

Speaker Specification

Full Range Speaker

Impedance : 4ohm

Earphone Output

Dia 3.5MM

Impedance support 16ohm & 32 ohm

Network Functionality

Hidden SSID : Can enter SSID using Rotary Dial.

Scan for SSID

WEP Key : Hex & Ascii, 64 & 128 bit, auto sense

WPA : WPA1(TKIP) with PSK only

IPv4 Protocol : Static or DHCP address assignment

Wireless Network Interface

WLAN 802.11(b/g)

Audio Decoders

Real Audio : supports RA 4/5/8

WMA : supports version 2,7 and 8

MP3 Decoder : MPEG layer 3 audio.

Ogg Vorbis.ogg

Playlist Formats

M3U

Audio Stream Protocols

RTSP- Real Time Streaming Protocol

MMS - Microsoft Media Streaming Protocol

HTTP - Hyper Text Transfer Protocol

Dimensions and Weight

L x W x H : 120 x 120 x 160 mm, Weight approx : 1028.0 g

Media Adaptor

1. Playback Audio Tracks : For Shared Network Folders on PCs

2. UPnP Server (Universal Plug and Play) : MediaServer 1.0

compliant server support

Technical and design modifications reserved.



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