Instruction Guide

IR100 | Internet Radio

Oakcastle

3 year **warranty**

Register your product for a FREE 3-year
warranty at **www.oakcastle.co.uk**

What's in the Box?

Oakcastle IR100 Internet Radio

Power Adapter

Instructions Guide

## Front View/Control Buttons
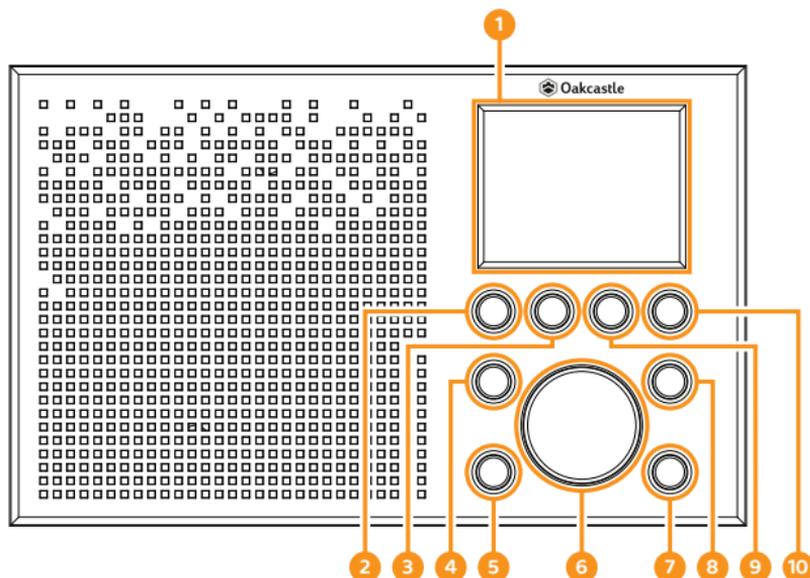
1. Display screen
2. On/Standby
3. Menu
4. Alarm
5. Back button

6. Navigate/Volume +/-
7. Forward button
8. Sleep
9. Favourite
10. Dimmer button

Back View/Control Buttons
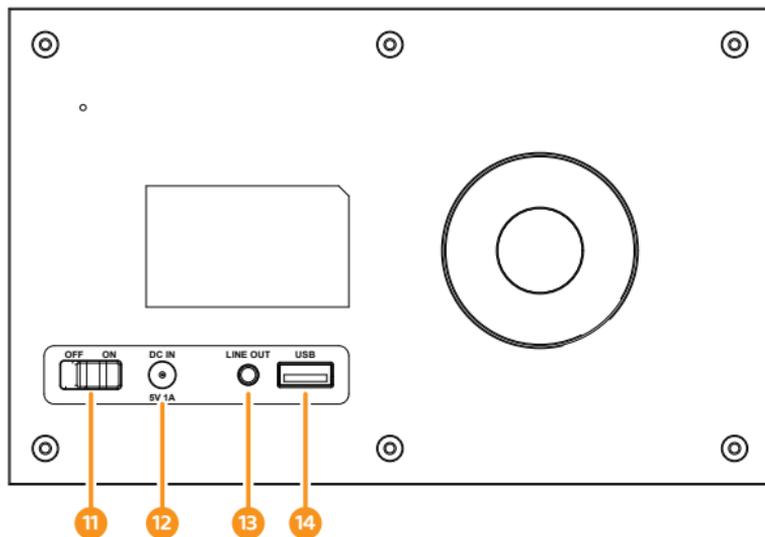
11. On/Off
12. DC in
13. Line Out
14. USB slot

Navigation Settings

Standby button: This should be used to turn your radio on and off. The Standby screen will display the date, time and any settings such as alarms.

Select Dial/Volume: Rotate the dial clockwise or anticlockwise to scroll through choices and press down the dial to confirm selections.

Change the volume when you are on the radio station playing display screen. The volume dial also functions as the Select dial when navigating the menu.

Menu button: Select the Menu button to browse through your audio options such as Local Radio, Internet Radio, Media Centre, Spotify Connect, Information Centre, Bluetooth, and Configuration Settings. Press menu again to exit.

Dimmer: Select Dimmer to choose between the two default dimmer options. Once you have selected between Power Saving (brightness when inactive) and 'On' level (brightness when active), choose the brightness settings by rotating the dial.

< and > buttons: Buttons used to alter settings. Use the 'previous' button to go back a step.

Basic Operation

Please note that the instructions in this manual refer to the radio button numbers, e.g (Ref.*number*) in accordance with the diagrams on pages 2-3.

Starting up your internet radio

Plug the adaptor connector into the back of the system labelled 'DC in' (**Ref.12**) and turn the power on from the mains. Switch the button at the back of the radio to 'ON' (**Ref.11**) to display the Oakcastle welcome screen.

After the welcome screen, you will be able to select your chosen language by scrolling with the Select dial (**Ref.6**). Select your language by pressing down the Select dial.

If this is the first use of the radio, the radio will display 'Check Network when Power On?'. By selecting 'Yes', the radio will automatically connect to your chosen network on start-up. You will then get the option to set up your WiFi to stream Internet Radio with the message "Would you like to configure network now?". If you select YES, your radio will begin to scan for nearby networks to connect to.

If you select NO then you can set this up later in configuration settings.

Manual WiFi Set-up

If you select YES, you will be able to select your chosen WiFi network and enter the WiFi password on the next display screen. Type letters/numbers by scrolling with the select dial (**Ref.6**) until the correct digit is displayed and click '>' to go to the next digit. Once finished, press down the select dial to confirm.

00:00	**00:00**	00:00	00:00
Enable 'Check Network when Power On'?	Would you like to configure network now?	Scanning for Wireless Network...	Enter Password
YES NO	YES Yes (WPS) NO		1/1 Input ↑↓ ← Move → OK ↵
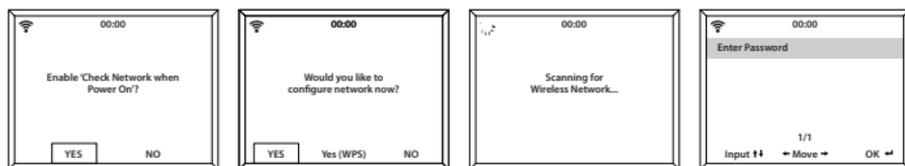
Wireless Network (WPS PBC)

When the screen displays "Would you like to configure network now?", if you select "YES (WPS)" your radio will begin to search for WiFi connections. Once selected, you will have 120 seconds to click the WPS button on your WiFi modem. This will connect your WiFi to your radio without the need to manually type in the passcode.

00:00	00:00	00:00
Enable 'Check Network when Power On'?	Would you like to configure Network now?	Please press the WPS button on the router within 120 Secs.
YES NO	YES Yes (WPS) NO	
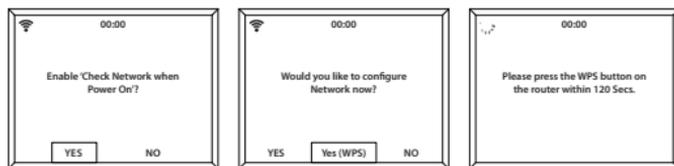
Once your WiFi is connected by manually entering your WiFi password or via WPS, you will be taken to the main menu screen and the WiFi signal will appear in white at the top left. Your internet radio is now set up!

Internet Radio

Go to the main menu screen by selecting 'Menu' (**Ref.3**) then 'Internet Radio' by turning and pressing the Select dial (**Ref.6**).

Select from the following options:

My Favourite: Your favourite stations will be saved here for easy listening.

Radio Station/Music: Select this option to browse internet radio stations in the following categories: Global Top 20, Genre, Country/Location, Highlight. Find stations under relevant categories and select your chosen internet station with the Select dial.

If your station is not available via this server or found in Internet Radio > Service, please refer to page 10 'My MediaU'.

Sleep Radio: Choose from multiple relaxation sounds.

History: Browse through recently listened to stations.

Internet Radio

Service: Search for an internet radio station or add a new station. To find a station, select 'Search Radio Station' to go to the search tool. Highlight your chosen character and click '>' (**Ref.7**) to move to the next character. To go back to the previous character, press '<' (**Ref.5**) to highlight it, and press Select (**Ref.6**) to search.

Pre-setting your favourite internet stations

When you have found your desired station, **hold** down 'Fav' (**Ref.9**) for a few seconds to go to the 'Add to my Favourites' screen. Turn the select dial to choose the preset number and select your option (**Ref.6**).

To view your preset favourite stations, press the 'Fav' button.

Quick use tip: Once presets have been set for Internet Radio, you can scroll through the main display screen to one of these options e.g Internet Radio and without selecting it, click 'Fav' to view your preset favourite stations for quick listening.

Media Centre

Select 'Media Centre' on the main display screen by turning the dial and pressing the Select dial (**Ref.6**).

USB:

Plug in a USB stick (**Ref.14**) with files. Highlight your desired folder/song with the Select dial (**Ref.6**) and press select to play.

The USB port is also able to charge your device.

UPnP:

Universal Plug and Play allows you to connect to other devices to play your music such as personal computers (Windows media player), mobile (GooglePlay) and other devices.

Once you have selected UPnP, select the radio from your device to connect. From your phone you may need to select the radio. **Both your device and the IR100 will need to be connected to the same WiFi network.**

Select the device with the Select dial you want to play music or media from on the radio display screen in UPnP settings.

If you have set up folders on your device that are being shared you can use the Select dial to scroll through your choices and confirm your selection by pressing the Select dial.

Media Centre

My Playlist:

You can create a playlist of favourite music or media from UPnP. When you are playing the media, press and **hold** the Select dial on the unit to save it into My Playlist.

Access 'My Playlist' from the Media Centre.

Clear My Playlist:

If you have created a playlist via UPnP connection, you can select this option to clear the playlist. Select the option 'Clear my Playlist' with the Select dial.

The radio will then display "Confirm delete?". Select YES to delete your playlist with the Select dial.

My Media U: Adding Stations

Stations can be manually added to the radio via MediaU if they are not available in internet radio mode.

In configuration settings, there is an option to connect a MediaU account via the website **www.mediayou.net**

Ensure that WiFi is connected to the radio, and then obtain the wireless MAC address of the radio via Information Centre > System Information > Wireless Information. Enter this address on the MediaU website to allow the radio to sync your account.

When successfully configured, you are then able to save and view your own MediaU station playlists.

Spotify Connect

Press the 'Menu' button (**Ref.3**) and scroll to the Spotify Connect function.

Listen out loud with Spotify Connect

1. Connect your IR100 to your Wi-Fi network
2. Open up the Spotify app on your phone, tablet or laptop using the same wifi network
3. Play a song and select Devices Available.
4. Select your IR100 and start listening.

Use your phone, tablet or computer as a remote control for Spotify. Go to **spotify.com/connect** to learn how.

The Spotify Software is subject to third party licenses found here: www.spotify.com/connect/third-party-licenses.

Information Centre

Go to the main menu screen by selecting 'Menu' (**Ref.3**) then 'Information Centre'.

Weather Information: To view the weather information for a specific location, first select the continent by using the Select dial (**Ref.6**) to scroll and select. Then select the country, and the town/city.

Once you have chosen a chosen town/city, the following information will be displayed: current temperature, weather symbol image, approximate temperature range for the next 5 days.

Financial Information: View a range of stock market indexes from around the world.

System Information: View system version, Spotify version and wireless connection information. If wireless information is selected, information such as WiFi signal strength can be found.

Connections

Line Out

At the back of the radio, the 'Line Out' (**Ref.13**) port allows for an external amplifier/stereo.

Simply connect an AUX cord from the 'Line Out' port to the amplifier/stereo.

Begin playing audio from the Internet Radio, Media Centre, Spotify Connect AUX or Bluetooth setting.

Bluetooth

Select 'Bluetooth' on the main display screen by turning the dial and pressing the Select dial (**Ref.6**).

Go to your device settings to connect your device to the radio via Bluetooth.

The internet radio device will display as 'Oakcastle IR100'. Select this radio to connect and your radio should make a short sound, meaning that it is connected.

Play your chosen audio on your device.

Control the playing audio from your device, rather than with the radio's navigation buttons.

Configuration Settings

Select 'Configuration' on the main display screen to browse through a range of display, performance and audio settings.

Network: Select for WiFi and network options

Wireless Network Configuration
In Network settings, you can set up a Wi-Fi connection by selecting Wireless Network Configuration. The radio will then start searching for available WiFi connections.

Find your WiFi connection and select with the Select dial (**Ref.6**). To type letters/numbers, scroll with the Select dial until the correct digit is displayed and click '>' (**Ref.7**) to go to the next digit. Press '<' if you wish to go back to previous digit (**Ref.5**) Once you are finished, press down the select dial to confirm.

Once your WiFi is connected, the main menu screen will show and the WiFi signal will appear in white at the top left corner. Please note: Wi-Fi password is case sensitive.

Wireless Network (WPS PBC)
Select to search for your WiFi connection using WPS. Once selected you will have 120 seconds to click the WPS button on your WiFi modem. This will connect your WiFi to your radio without the need to manually type in the password.

Settings: Date & Time

Manually setting date and time

There is the option to manually set the time and date instead of using auto-detect.

Go to 'Configuration' settings and select 'Date&Time' with the Select dial (**Ref.6**).

Select 'Set Date and Time' with the Select dial and choose 'Manual Setup'.

Change the day by highlighting the character and using the Select dial to scroll through to the desired unit. Once you have selected the correct unit, click '>' (**Ref.7**) to go to the month. Continue this process with the year, the hour and the minutes.

Once the manual set up is complete, press down the Select dial (**Ref.6**) to confirm.

You can change the format of the date and the time, including setting a 12 hour or 24 hour clock, under the 'Set Time Format' and 'Set Date Format' options within Configuration Settings.
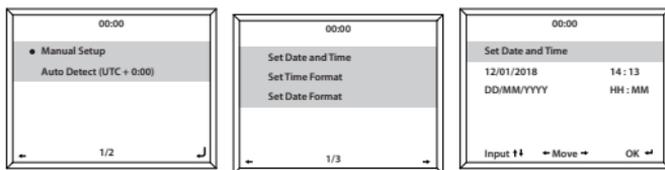
Settings: Alarm Clock

Setting Alarm 1/Alarm 2

To set an alarm on your radio, go to 'Configuration' settings and scroll through to select 'Alarm' or click the 'Alarm' button on the front of the radio (**Ref.4**).

After this, select Alarm 1 or Alarm 2 and highlight 'Turn On' and select this option (**Ref.6**).

Select 'Repeat' to choose the frequency of your alarm (**Ref.6**). You can choose between Everyday, Once or select individual days for the alarm to sound. Once you have made your selection, press the '<' button (**Ref.5**) to return to the other alarm settings.

Select 'Time:' and turn the dial to highlight the alarm hour. Once you have found the desired hour, press '>' (**Ref.7**) to change the minutes. Press down the Select dial (**Ref.6**) to confirm and go back to alarm settings.

Now scroll down and select 'Sound:' with the Select dial. You can now choose between beep, melody, internet radio, or USB. If you are setting your alarm sound as internet radio, then you will now be taken through your preset favourite stations. Select your chosen alarm station with the Select dial.

Settings: Alarm Features

```
                                          00:00

                                    ☑ Everyday
                                      Once
                                    ☑ Mon
                                    ☑ Tue

                                    ←            1/9            ↵
```

```
                                          00:00

                                    Time

                                              00 : 00
                                              HH : MM

                                    Input ↑↓   ←Move→   OK ↵
```

```
      00:00                 00:00                 00:00

Alarm 1 (Turn Off)   ● Turn On            Repeat: Everyday
Alarm 2 (turn Off)     Turn Off           Time: 00:00
NAP Alarm (Turn Off)                      Sound: Melody
Alarm Volume

←      1/4      ↵    ←      2/2      ↵    ←      1/3      ↵
```

```
                                          00:00

                                      Beep
                                    ● Melody
                                      Internet Radio
                                      USB

                                    ←            2/4            ↵
```
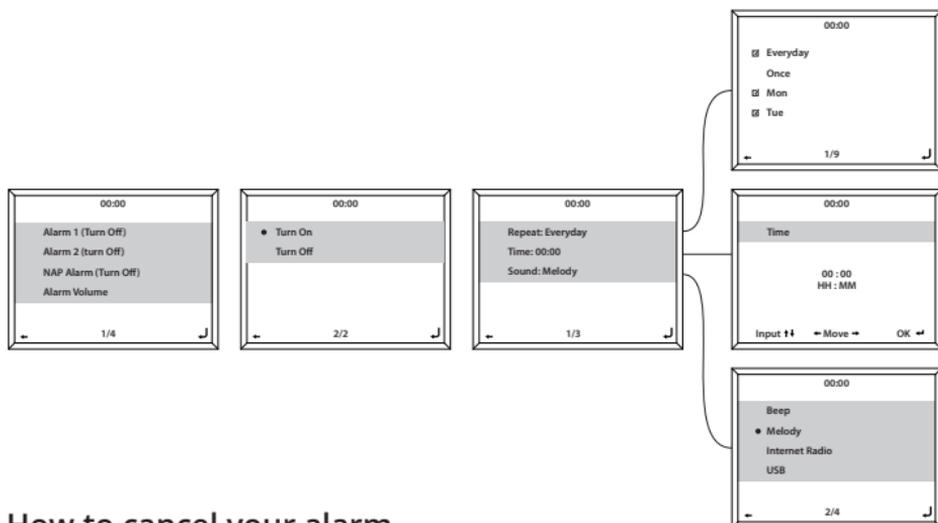
How to cancel your alarm

To cancel your alarm, select 'Alarm' in 'Configuration' settings or with the Alarm button (**Ref.4**) and select the alarm you wish to turn off. Once the alarm is selected, you will have the option to 'Turn Off' or 'Turn On'. Highlight the 'Turn Off' option and use the Select dial (**Ref.6**) to confirm.

NOTE: Change the alarm volume by going to 'Alarm Volume' setting in the Alarm setting screen.

How to turn off your alarm when sounding

When your alarm is sounding, select the 'Alarm' button (**Ref.4**) or 'Standby' button (**Ref.2**) to stop the alarm. If you have set an alarm to sound everyday or more than once, the alarm icon will still remain on the main display screen.

Settings: Alarm Features

How to put your alarm on snooze

When your alarm is sounding, press the 'Select' dial (**Ref.6**) or any other button except 'Standby' or 'Alarm' to stop the sound and put into Snooze mode. The Snooze function will make the radio sound again in 5 minutes.

Stop the Snooze alarm by pressing 'Alarm' (**Ref.4**) or 'Standby' (**Ref.2**).

Alarm volume

Change alarm volume by going to the 'Alarm' option in Configuration Settings or by pressing 'Alarm' (**Ref.4**) on the front of the radio.

Scroll to the option for 'Alarm Volume' and use the Select dial (**Ref.6**) to change your alarm volume. Once the volume is selected, wait a few seconds and the radio will automatically revert back to alarm setting options.

Please note: The alarm volume set in this setting will be the alarm sound and it cannot be changed with the Volume/Select dial (**Ref.6**) when the alarm sounds.

Nap alarm

After selecting 'Alarm' in 'Configuration' settings, or the 'Alarm' button (**Ref.4**) on the front of the radio, select 'NAP alarm'. Choose how many minutes you would like to have the nap alarm on with the options of: 5, 10, 20, 30, 60, 90, 120 minutes. Once set, the Nap alarm will display on the bottom right of the standby screen as [0*Time Set*]. The nap alarm timer will display here how many minutes are left of the nap alarm.

Settings: Additional Features

The following options are available in Configuration settings:

Timer

In 'Configuration' settings, select the option for 'Timer' and a screen with 00:00 will display. To increase or decrease seconds, click the '>' or '<' buttons (**Ref.7/Ref.5**). Hold down the '<' or '>' buttons to increase or decrease quickly. Once you have chosen the correct timer amount, confirm it by pressing the Select dial (**Ref.6**).

Dimmer

The dimmer button allows you to select two different brightness modes. You can alter the two brightness settings in 'Configuration' settings by selecting the option for 'Dimmer'.

Select 'Power Save' mode to set the brightness for when there is no activity for 15 seconds. This lower brightness level will be set until a button is clicked and the 'Turn on' setting will activate.

Select 'Turn On' mode to set the brightness for when the radio is active and in use.

To manually switch between the two dimmer settings, click 'Dimmer' (**Ref.10**).

Settings: Additional Features

Software Update

This section displays whether a software update is available for the radio. If one is available, please select to initiate the update.

Reset to default

Select this option to reset your radio and revert all settings and presets.

Sleep Timer

To set a sleep timer, press the 'Sleep' button (**Ref.8**) until your desired timer (15, 30, 60, 90, 120, 150, or 180 minutes) is displayed on the top right of the display screen.

To turn a Sleep Timer off, press multiple times until the timer icon no longer displays, or select 'Turn Off' in configuration settings.

Alternatively, you can set a sleep timer in 'Configuration' settings and select the option for 'Sleep Timer'.

If a timer is set, the timer icon will show on the top right of the radio screen.

Remote Control App

To begin controlling your radio via a remote control app on your smart phone or tablet, you can download the 'Air Music Control App' in your device's app store.

Alternatively, go to Configuration Settings > Device for the following options:

1) Rename (AirMusic) - Select to rename your device.

2) AirMusic Control App - Select this to show two QR codes - one for Apple devices, and one for Android. Scan the relevant code to download from the App store on your phone or tablet.

Once the app is downloaded, open the app and ensure that your radio is switched on and out of standby mode. The app should then automatically connect to your Oakcastle internet radio. You can now begin controlling your radio via the App.

Additional Settings Options

Time display - Select Analog or Digital

Scheduled Playing - Set the radio to start and finish at specified times.

Language - Select your chosen language within the list

Display - Choose between Colour or Monochrome display

Power management - Select this to configure the radio to go into standby mode automatically after a set time of inactivity or if there is no WiFi signal. Select turn off to ignore this function.

Weather - Activate/deactivate the weather forecast for the standby display. Choose your preferred temperature unit and enter your location. This will then display in the clock display on the standby screen every 10 seconds.

Local radio setup - Manually set up your location for Local radio rather than allowing the radio to Auto Detect.

Playback setup - Select the playback mode of the Media Centre: OFF, Repeat All, Repeat One or Shuffle.

Device - Default name for DLNA is "AirMusic". You can rename the device for DLNA setup.

Equaliser - Default equaliser is normal. You may change it to Flat, Jazz, Rock, Soundtracks, Classical, Pop, or News.

Resume when power on - Turn on the function for the radio to resume when powered on. Instead, the screen will remain on the main menu.

Troubleshooting

Observation	Potential Cause/Solution
No Power/function	Check that the power is switched on at the wall. Check that the power adaptor is properly connected to power outlet.
No sound	Check if unit is set to MUTE. Check if MODE is correctly selected. Check if cables are properly installed.
Function Disturbance	Switch off and unplug the unit. Leave it for 2 minutes then switch on again.
WiFi not connecting	Ensure WiFi mode is selected in settings and the correct passcode is being entered for the WiFi modem. Please try performing a factory reset and try reconnecting.
Bluetooth not connecting	Ensure that you are on Bluetooth mode on the radio and your Bluetooth on your device is switched on. Select the Bluetooth device 'Oakcastle IR100' and you should now be able to play audio.
Spotify not connecting to my device	- Check that your device and your radio are both connected to the same WiFi connection. - Check that no other Spotify Premium devices are nearby and able to connect to the radio - this would interfere with the connection. - Ensure music is playing and the radio device has been selected on Spotify. - Please wait a minute to allow for connection to be made - there may be a slight delay in connection.

Specifications

Power Input	5V/1A
Streaming	UPnP, DLNA
Connections	DC, USB, Spotify Connect, 3.5mm Line-Out
Input	100-240V~50/60Hz, 500mA
Dimensions	200 x 90 x 121 mm
Weight	690g
Manufacturer	Shenzhen Adition Audio Science & Technology Co.,Ltd
Brand	Adition
Model no.	AD0600501000EU
Input	100-240V~, 50-60Hz, 0.2A Max.
Output	5.0V ⎓ 1.0A 5.0W
Average active efficiency	75.26%
No-load power consumption	0.07W

Warranty + Support

All products come with a standard 12 month warranty. All items must be registered on www.oakcastle.co.uk for the warranty to be valid. Once on the web page, use the menu to find "register your product". You will also be given the chance to extend your warranty for an additional 24 months, free of charge. If you require further assistance with your new radio, please contact our support team at info@oakcastle.co.uk.

1. **Read these instructions.**
2. Keep these instructions. Instructions are also available for download at www.oakcastle.co.uk
3. Heed all Warnings
4. Follow all instructions
5. Do not clean the apparatus near or with water
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Protect the power from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
9. Only use attachments/accessories specified by the manufacturer.
10. Unplug this apparatus during light storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in a way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to the rain or moisture, does not operate normally or has been dropped.
12. No naked flame sources, such as lit candles, should be placed on the apparatus.
13. Dispose of used electrical products and batteries safely according to your local authority and regulations.

ADDITIONAL WARNINGS

The apparatus shall not be exposed to dripping or splashing and no objects filled with liquid, such as vases, shall be places on the apparatus.

Main plug is used to disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the main mains completely, the mains plug should be disconnected from the main socket outlet completely.

Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

RECYCLING ELECTRICAL PRODUCTS

You should now recycle your waste electrical goods and in doing so help the environment. This symbol means an electrical product should not be disposed of with normal household waste. Please ensure it is taken to a suitable facility for disposal when finished with.

IMPORTANT: Please read all instructions carefully before use and keep for future reference.

Risk of electric shock.
Do not open

Read all instructions carefully before use and keep for future reference

When servicing, use only identical replacement parts

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

ATTENTION
RISQUE D'ELECTROCUTION NE PAS OUVRIR

IMPORTANT: Please read all instructions carefully before use and keep for future reference

Oakcastle