

John Lewis

Instruction manual

Cello Hi-Fi music system



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Thank you for purchasing this John Lewis Cello Hi-Fi music system. Hereby, John Lewis declares that the radio equipment type Cello Hi-Fi music system is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.johnlewis.com/content/declaration-of-conformity>

Please read the instructions and warnings carefully before use, to ensure safe and satisfactory operation of this product.

Important safety information

It is most important that this instruction leaflet be retained with the product for future reference. These warnings have been provided in the interest of safety. You **MUST** read them carefully before using the appliance.

If you are unsure of the meanings of these warnings contact your nearest John Lewis branch or John Lewis technical support on 03301 230106.

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- To protect against fire, electric shock and injury to persons **DO NOT IMMERSE CORD**, plug or base unit in water or other liquids.
- Unplug from the mains when not in use, before putting on or taking off parts and before cleaning.
- Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or has been damaged in any manner. Return the appliance to the nearest John Lewis store.
- Do not let power cord hang over edge of table or counter, or touch hot surfaces.
- In the event of a fault, contact your nearest John Lewis store. No repair should be attempted by the consumer.
- Do not use the appliance for anything other than intended use.
- For household use only, do not use outdoors.
- Save these instructions for future reference.

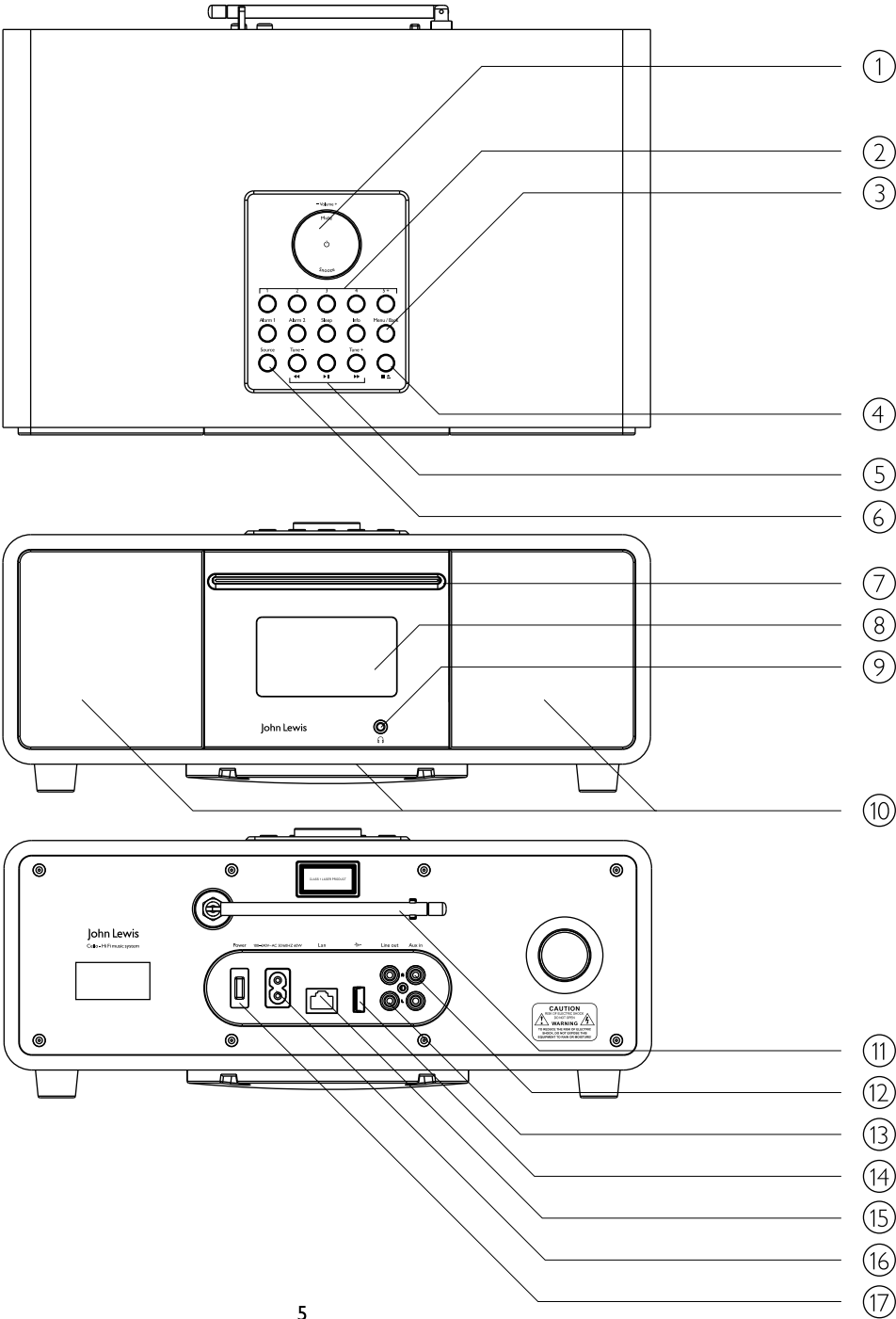
Warning! Polythene bags over the product or packaging may be dangerous. To avoid danger of suffocation, keep away from babies and children.

Packing list

- 1 Cello Hi-Fi music system
- 1 Power cord
- 1 Instruction manual
- 1 Remote control

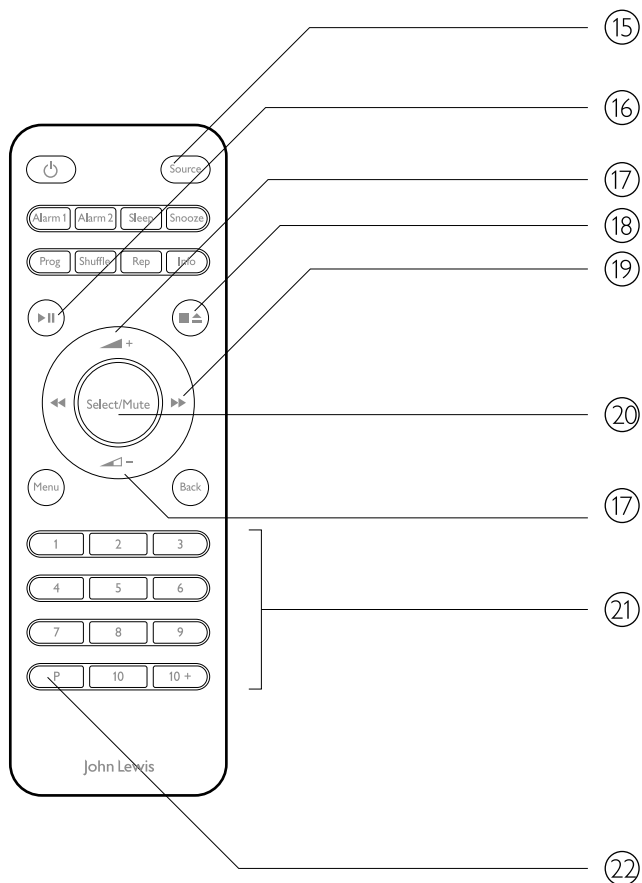
Your Cello Hi-Fi Music system

- 1 Multi-function navigation dial and Select button
 - a) Press once to turn ON
 - b) Long press to turn OFF
 - c) When audio is playing, rotate to change volume
 - d) When audio is playing, press once to mute audio
 - e) When in a menu, rotate to navigate, press once to select option
 - f) When alarm is sounding, press once to SNOOZE
- 2 Presets
- 3 Menu/back button
- 4 Stop/eject button
- 5 a) CD/BT mode : Previous track, Play/Pause and Skip track button
b) In radio modes : Tune - and Tune +
- 6 Source button - Press once to enter audio source menu
- 7 CD slot
- 8 TFT colour display
- 9 Headphones socket
- 10 Speakers
- 11 Aerial
- 12 Aux in mode
- 13 Line out (to connect to an external amplifier or active speaker)
- 14 USB socket for USB stick with MP3 music playback (not for charging)
- 15 LAN for Wired Ethernet connection
- 16 Power input (100-240V)
- 17 Power switch



Your Cello Hi-Fi music system remote control

- 15 Source button - Press once to enter audio source menu
- 16 a) Internet Radio, MyPlayer and BT : Play/Pause
b) FM mode - Auto Scan
- 17 a) Volume up & down buttons
b) Press up or down to navigate menu
- 18 Stop/Eject for CD mode
- 19 a) DAB mode : Show station list
b) FM mode : Manual Tune - and Tune +
c) MusicPlayer mode : Skip/Previous Track
- 20 Select/Mute
- 21 Preset buttons
- 22 Preset recall menu



Quick-step guide to getting started

To get started

- 1 Place Cello on a suitable shelf or table.
- 2 Extend the telescopic aerial.
- 3 Connect the power cord between Cello and the mains supply.
- 4 Press the '⏻ / Volume' dial to turn on.

For DAB

- 1 Product defaults to Internet radio mode.
- 2 With first time use, it will automatically start scanning. This may take a few minutes - previously-selected station or first station on the station list will automatically play.
- 3 To change station, press 'Tune +' button and use the 'rotational navigation' to choose a radio station, press dial to select.
- 4 Adjust volume using '⏻ / Volume' dial, turn anticlockwise to decrease and clockwise to increase volume.

For FM

- 1 Press 'source' button to enter source Menu and use the 'rotational' dial to select FM.
- 2 To automatically scan for station, long press 'Tune +' or 'Tune -'.
- 3 To manual tune in 0.05MHz increments press 'Tune +' or 'Tune -'.
- 4 Adjust volume using '⏻ / Volume' dial, turn anti-clockwise to decrease and clockwise to increase volume.

Note: During the scanning, the sound will be muted automatically.

For Bluetooth

- 1 Press 'source' button to enter Source Menu and use the 'rotational' dial to select Bluetooth.
- 2 When the BT logo flashes in the bottom right of the display, activate your Bluetooth device.
- 3 'JL Cello' will appear on your Bluetooth device. Select it and enter '0000' for the password if necessary.
- 4 Bluetooth is connected successfully once the BT logo stops flashing.
- 5 Press '◀◀', '▶▶' or '▶▶▶' button for music playback.

Note: The unit will automatically switch to standby mode after 10 minutes if the source device is disconnected, switched off or the volume is too quiet.

For AUX-IN

Please see page 14

For Internet radio

You must first connect to a network - see page 16

For Music player

You must set up a music server – see page 18

DAB radio mode

Detailed instructions

DAB radio mode receives DAB/DAB+ digital radio and displays information about the station and programme/track as broadcast.

To enter DAB mode, press 'source', use the navigation dial and select button to choose DAB from the icon menu.

Scanning for stations

The first time you use Cello, or if the station list is empty, the radio automatically performs a full scan to see what stations are available. You may also need to start a scan manually to update the list of stations for one of the following reasons:

- New stations may become available from time to time.
- If reception was not good for the original scan (for example the antenna was not up), this may result in an empty or incomplete list of available stations.

To do a full scan

Select Menu > Scan. Once a scan is complete, the radio returns to playing the previously-selected station or first station on the station list.

To remove stations that are listed but unavailable

Select Menu > Prune invalid.

Presets

Cello has 20 preset stores for DAB stations. Presets 1-4 have dedicated buttons, presets 5-20 are within the on-screen menu.

To store preset 1, 2, 3 or 4

Press and hold the preset 1, 2, 3 or 4 button until the display shows the text 'preset saved' with a tick icon.

To store preset 5-20

Press and hold preset button 5+. The display will show a list of the preset stores numbered 1 to 20 these are displayed as either 'Empty' or with the currently stored station name. Use the navigation dial to choose a preset memory then press 'select' to store the currently-playing station. After confirming the preset station is stored the display reverts to the Now Playing screen.

To recall preset 1, 2, 3 or 4

Press preset button 1, 2, 3 or 4. This will play the radio station stored in preset 1, 2, 3 or 4.

To recall a preset 5-20

Press preset button 5+. The display will show a list of the presets stored number 1-20. Use the navigation dial to choose a preset and press 'select' to play that station.

Now playing information

While a station is playing, the screen shows its name and DLS (Dynamic Label Segment) information broadcast by the station such as programme name, track title and contact details.

Press **Info** to cycle through

- Programme type
- Ensemble name
- Channel number/frequency
- Signal strength
- Date
- ...

Note: DL Plus presents additional information that can be broadcast by stations and stored temporarily on your radio.

DAB menu

Press the '**Menu**' button to access all DAB radio options, you are presented with the following list

- > Station list
- > Scan
- > Manual tune
- > Prune invalid
- > DRC
- > Station order
- > System settings
- > Main menu

Station list

All available DAB stations will be listed here. Use the '**navigation**' dial and '**select**' button to choose a radio station.

Note: If there is a '?' before the name of the radio station, that means that station is not available in your current location. See Prune invalid on page 10.

Full scan

Press **Menu** > **Scan** to scan the airwaves of your location for all available DAB radio stations.

Manual tune

As well as the normal method of scanning, you can also manually tune to a particular channel/frequency. This can be useful for adjusting your antenna to achieve the best possible reception.

To manually tune

Press **Menu** > **Manual tune**

Then use the '**navigation**' dial and '**select**' button to choose a particular channel/frequency.

The display shows a live indication of the received signal strength on the selected frequency.

Manual tune cont.

Adjustments to your antenna will be manifested in the received signal strength displayed.

Note: The division in the signal strength bar indicates the audio quality threshold – if the signal strength, as indicated by the solid rectangles, falls below this threshold the audio quality will deteriorate.

When a channel/frequency is selected Cello also scans for any DAB stations on the selected frequency and updates the station list with any new stations found. To listen to any stations found, return to the Now playing screen and select the required station from the station list as normal.

Prune invalid

If a station is not available in your current location a '?' will appear before the name of the station as shown in the 'station list'.

Prune invalid will remove these stations leaving only ones that are available at your current location.

Press Menu > Prune Invalid > YES

Dynamic range compression (DRC)

This function reduces the difference between the loudest and quietest audio being broadcast. Effectively, this makes quiet sounds comparatively louder, and loud sounds comparatively quieter.

Note: DRC only works if it is enabled by the broadcaster for a specific station.

To change the DRC setting

Select Menu > DRC > The options available are: DRC high | low | off.

System settings

You can access system settings from all audio settings menus.

For more information see page 30

FM radio mode

Detailed instructions

FM radio mode receives analogue radio from the FM band and displays RDS (Radio Data System) information about the station and show (where broadcast).

To enter FM mode, press 'Source', use the navigation dial and select button to choose FM from the icon menu.

Selecting stations

The first time you select FM radio, Cello is set to the lowest frequency in the FM band. On subsequent selections the last used frequency/station is displayed.

To scan for a station in FM mode

Press and hold Tune +/- to automatically scan through the FM band frequencies, showing the current frequency on the screen display. A scan stops when a signal is found. The search will stop at each station with a strong signal.

Alternatively, you can manually tune, by a single press of Tune +/- This will move up or down in 0.05 MHz increments.

Presets

Cello has 20 preset stores for FM stations. Presets 1-4 have dedicated buttons, presets 5-20 are within the on-screen menu.

To store preset 1, 2, 3 or 4

Press and hold the preset 1, 2, 3 or 4 button until the display shows the text 'preset saved' with a tick icon.

To store preset 5-20

Press and hold preset button 5+. The display will show a list of the preset stores numbered 1 to 20 these are displayed as either 'Empty' or with the currently stored station name. Use the navigation dial to choose a preset memory then press 'select' to store the currently-playing station. After confirming the preset station is stored the display reverts to the Now Playing screen.

To recall preset 1, 2, 3 or 4

Press preset button 1, 2, 3 or 4. This will play the radio station stored in preset 1, 2, 3 or 4.

To recall a preset 5-20

Press preset button 5+. The display will show a list of the presets stored number 1-20. Use the navigation dial to choose a preset and press 'select' to play that station.

Display information

While FM radio is playing, the screen shows its frequency, or if RDS information is available, station name and any further 'RadioText' information. If no information is available, just the frequency and a No RadioText message is shown.

Press Info to cycle through info display options:

- RDS Radio text
- Programme type
- Frequency, name
- Mono/stereo
- Date

FM radio menu

Press the 'Menu' button to access all FM radio options, you are presented with the following list

- > Scan settings
- > Audio settings
- > System settings
- > Main menu

Scan settings

By default, FM scans stop at any available station. This may result in a poor signal-to-noise ratio (hiss) from weak stations. To change the scan settings to stop only at stations with good signal strength, select **Menu** > Scan setting > Strong stations only? > Yes.

Audio settings

By default, all stereo stations are reproduced in stereo. For weak stations, this may result in a poor signal-to-noise ratio (hiss). To play weak stations in mono, select **Menu** > Audio setting > FM weak reception: Listen in mono only > Yes.

System settings

You can access system settings from all audio settings menus. For more information see page 30.

Bluetooth mode

Detailed instructions

Bluetooth mode allows Cello to act as a wireless speaker playing audio content from a connected Bluetooth capable device.

To enter BLUETOOTH mode, press 'source', use the 'navigation' dial and 'select' button to choose BLUETOOTH from the icon menu.

To connect a Bluetooth capable device, use your Bluetooth capable smart device to pair and connect with the Cello.

Press '◀◀', '▶▶' or '▶▶' button for music playback.

Bluetooth Menu

Cello does not have BLUETOOTH menu settings, please check your connected device for settings.

AUX-IN mode

Detailed instructions

AUX-IN mode plays audio from an external source such as an MP3 player.

To enter AUX-IN mode, press 'Source', use the navigation dial and select button to choose AUX-IN from the icon menu.

To connect to an external audio source:

- 1 Turn the volume low on both Cello and, if adjustable, the audio source device.
- 2 Connect the external audio source to the RCA stereo socket.
- 3 Adjust the volume (and, if necessary, the audio source device) as required.

AUX-IN menu

Cello does not have AUX-IN menu settings, please check your external source for settings.

CD Playback mode

Detailed instructions

Notice! Improper operation can result in material damages!

Do not insert any recording media that deviate from the standard CD format (e.g. mini-discs) into the CD player. These may not be played and ejected correctly. Insert only one disc at a time into the CD player.

Press the 'SOURCE' button to choose CD. Insert a disc (with printed side facing up) until it is drawn inside. The CD player will automatically load the CD and start playback.

The display will say 'Loading'. Disc functions will not work while the disc is loading. Playback will begin automatically once the table of contents is read.

The display will show "No Disc" when the unit is set to CD mode and there is no CD inside.

The display shows the following information in CD mode:

- CD mode
- Time
- Elapsed playback time in minutes
- Track number
- Playback status (playing/pause)

- ▶▶ To pause/resume playback of the CD, press the button
- ▶▶ To switch to the next track, press the button once
- ▶▶ To fast forward through a track, press and hold
- ◀◀ To switch to the previous track, press and hold the button twice
- ◀◀ To fast rewind through a track, press and hold
- ▲ To stop CD playback, press

Adjusting CD playback

You can choose different playback sequences to play tracks by pressing PRG on the remote control. Press the menu button to open the CD menu for system settings.

Internet radio mode

Detailed instructions

Cello can play thousands of radio stations and podcasts from around the world through a broadband Internet connection.

To enter Internet Radio mode, press 'source', use the 'navigation' dial and 'select' button to choose Internet Radio from the icon menu.

Note: The station list menu is provided from the Internet radio portal, so it is only accessible when Cello is connected to the Internet. Station lists and sub menus may change from time to time.

Connecting to the internet – see page 26

Select a station through one of the menu options

- > Last listened
- > Station List
 - > System setting
 - > Main menu

Last listened

When Internet radio mode restarts, the last-listened station is selected. To select another recently used station, select Menu > Last listened then one of the stations listed. Most recent stations appear at the top of the list.

Presets

Cello has 20 preset stores for Internet Radio stations. Presets 1-4 have dedicated buttons, presets 5-20 are within the on-screen menu.

To store preset 1, 2, 3 or 4

Press and hold the preset 1, 2, 3 or 4 button until the display shows the text 'preset saved' with a green tick icon.

To store preset 5-20

Press and hold preset button 5+.

The display will show a list of the Preset stores numbered 1 to 20 these are displayed as either 'Empty' or with the currently stored station name. Use the navigation dial to choose a preset memory then press 'select' to store the currently-playing station. After confirming the preset station is stored the display reverts to the Now playing screen.

To recall preset 1, 2, 3 or 4

Press preset button 1, 2, 3 or 4. This will play the radio station stored in preset 1, 2, 3 or 4.

To recall a preset 5-20

Press preset button 5+.

The display will show a list of the presets stored number 1-20.

Use the navigation dial to choose a preset and press 'select' to play that station.

Favourites

Favourites are stored on the Internet radio portal. Before you set up an account on the portal from its Web interface (www.wifiradio-frontier.com), the favourites are associated solely with the radio on which you set them. After you set up a portal account, all the favourites from your different radios are merged into a combined favourites list. This combined list is available to all the radios on your account.

To store a playing station as a favourite, press and hold Select until the display shows 'Favourite added'. The station appears in the default favourites list Stations.

To select a favourite, select Menu > Station list > My favourites > [Favourites list] > [Station].

Browse

To browse Internet broadcasts, select Menu > Station list > then either Stations > or Podcasts > Browse through the menus to find broadcasts.

Search

You can also search through Internet broadcasts for stations or podcasts with particular keywords in their title.

To search, select Menu > Station list > then either Stations > or Podcasts >

Enter a keyword by selecting characters then OK. The search entry screens are similar in operation to the Wi-Fi password entry screen.

Select a broadcast from the list.

For podcasts, you may be able to select a particular episode.

My added stations

Even though the Internet radio portal contains thousands of stations, you may want to listen to stations not listed. You can add your own stations via the portal. These added stations are accessible from Cello by selecting Menu > Station list > My added stations > [Station].

Now playing information

While the stream is playing, the screen shows its name and description. If artist and track information is available, this is also shown. To view further information, press Info.

Each time you press Info, another set of information is displayed, cycling through the following details:

- Artist and track name (default; where available)
- Description
- Genre and show country
- Reliability
- Bit rate and Codec and Sampling
- Playback buffer
- Today's date

Music player mode (network)

Detailed instructions

Music player mode plays audio files such as MP3s, AACs, WMAs or FLACs from a computer on the local network.

See Setting up a music server on page 28

To enter Music Player mode, press 'source', use the 'navigation' dial and 'select' button to chose Music Player from the icon menu.

You can use ◀◀ and ▶▶ to move through tracks. Press and hold to rewind or fast forward and press quickly to select previous or next track. Press the back button to move to the previous level of the menu tree.

Shared media (from UPnP media server)

Select Menu > Shared media >

If you have set up shared media (as described on page 22), you should see an entry consisting of <computer name>: <Shared media name>, for example JB-Laptop: Audio. If you have more than one computer sharing media, the alternatives are listed. Select the shared media you want to play.

From this point on, the menus are generated from the shared media server (typically Windows Media Player).

The first menu shows a list of media types, for example Music, Video, Pictures and Playlists. Cello can only play music and playlists.

There is also a search function, which finds tracks in a similar way to Internet radio search.

From Music, there are numerous ways of selecting tracks, including:

- Genre
- Artist
- Album
- Composer
- Rating

Once you have found a track you want to play, press Select. A short press plays the track immediately and a long press adds the track to the playlist. You can also add entire albums to the playlist.

Cello plays either the selected track or the playlist.

Wake-on-LAN

If shared media is selected a list of available music servers will be displayed.

If a '?' appears before the server name, this indicates that the server has been seen before and supports Wake-on-LAN functionality, but cannot currently be found on the network.

If a server with a '?' mark is selected by the user, the device will try to wake the server up and connect to it. In some instances this may not be possible as the server may not be connected to the network any more or may be switched off.

Prune servers

From time to time it may be necessary to remove servers displaying '?' in front of the server name from the server list. For example, if the device is moved to a new network or if a Wake-on-LAN server is removed from your current network.

To perform this function go to Menu > Prune servers > Yes

USB playback

To play audio from a USB mass-storage device such as a USB Flash stick or USB hard drive, select Menu > USB playback.

Browsing folders from this point on, menus are generated from the folders on the USB device. Browse folders with the Select control and Back button. The display shows folder and file names (not necessarily track names).

Once you have found a track that you want to play, press Select. A short press plays the track immediately.

A long press (at any time while the track is displayed or playing) adds the track to My playlist. You can also add entire folders to My playlist.

Playlists

Cello holds a queue of up to 200 tracks in the playlist.

Playlist tracks can be mixed from multiple UPnP servers.

To manage the playlist, select Menu > My playlist.

To view the playlist, scroll through it by turning Select. UPnP tracks show their track name.

To play the playlist from a certain track, quick Select.

To erase a track from the playlist, long Select then confirm YES.

If you select a track/album/folder for instant playback (without using the playlist), the playlist is preserved. The playlist is also preserved during standby.

Using the 'Play To' feature in Windows 7 to stream media

One of the new Windows 7 features includes a feature called 'Play To' and this lets your PC running Windows 7 control Cello to push media and use as a universal remote control for your media collection.

Cello supports the industry standard DLNA (Digital Living Network Alliance) 1.5 digital media renderer. This allows you to 'Play To' other devices around your home and combine media streaming with controlling a connected media receiver while streaming content to it from another Windows 7 PC on a home network.

Before you can use the 'Play To' feature you need to set up Cello for Windows 7 streaming media.

Use 'Play To' in Windows media player

Windows Media Player makes it easy to manage your media, find items that you want to play, and open 'Play To'. To select items that you want to play, follow these steps:

- 1 Click the Start button, click All Programs, and then click Windows Media Player. If the Player is currently open and you're in Now Playing mode, click the Switch to Library button in the upper right corner of the Player.
- 2 If the list pane is closed or if the Burn or Sync tabs are exposed, click the Play tab.
- 3 Find the items that you want to play in the Player Library, and then drag those items from the details pane into the list pane.
- 4 Click the 'Play To' button at the top of the list pane, click the device on your network that will receive the media.
- 5 In the 'Play To' dialogue box, use the playback controls to play, pause, or stop the media stream, and to change to the next or previous item in the list.

Use 'Play To' elsewhere in Windows 7

Outside of Windows Media Player, you can stream media to Cello with 'Play To' by right-clicking music files. To select music files and stream them to Cello, follow these steps:

- 1 Click the files you want to stream to Cello.
- 2 Right-click the selected files, point to 'Play to', and then click the device on the network that will receive the media.
- 3 In the 'Play To' dialogue box, use the playback controls to play, pause, or stop the media stream, and to change to the next or previous item in the list.

Now playing information

While a track is playing, the screen shows its track name (UPnP). There is also a progress bar with figures for elapsed and total track time. At the bottom of the screen, an icon indicates UPnP. To view further information, press Info.

Each time you press Info, another set of information is displayed, cycling through the following: Artist, album, codec/sampling rate, playback buffer.

Repeat/shuffle

You can repeat tracks or play them in random order by selecting Menu > Repeat play or Menu > Shuffle play.

Now playing information

While a track is playing, the screen shows its track and artist (UPnP). There is also a progress bar with figures for elapsed and total track time. At the bottom of the screen, an icon indicates UPnP. To view further information, press Info. Each time you press Info, another set of information is displayed, cycling through:

UPnP: playback progress bar (default), album, codec/sampling rate, playback buffer bar, today's date.

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- 2 Right-click the selected files, point to 'Play To', and then click the device on the network that will receive the media.
- 3 In the 'Play To' dialogue box, use the playback controls to play, pause, or stop the media stream, and to change to the next or previous item in the list.

Now playing information

While a track is playing, the screen shows its track name (UPnP). There is also a progress bar with figures for elapsed and total track time. At the bottom of the screen, an icon indicates UPnP. To view further information, press Info.

Each time you press Info, another set of information is displayed, cycling through the following:

Artist, album, codec/sampling rate, playback buffer.

Alarms

Detailed instructions

Cello has 2 alarms which can be set independently of each other. Icons on the 'home screen' will indicate which alarms are active. If there are no icons, no alarms are active.

Note: Alarms will only function when the Cello unit is On (mains power) or in Standby mode (Mains power only).

Note: Alarms can be switched on or off in standby mode (see below), however, the alarm parameters can only be set when the Cello is on.

To set alarms

Press either Alarm 1 or Alarm 2 button.

Navigate to either Alarm 1 or 2.

The alarm setup prompts you for the parameters listed below.

Use the navigation dial and select button to input the alarm parameters

Parameters

Enable – Off | Daily | Once | Weekends | Weekdays

Time - Set the desired alarm time

Mode - Buzzer | Internet Radio | CD | DAB | FM

Preset - Play previously saved preset as alarm sound

Volume - Set alarm volume from 0-32

Save

To activate the new settings, scroll down and select Save.

The screen shows active alarms with an icon at the bottom left.

At the set time, the alarm will sound. To temporarily silence it, press Snooze.

Snooze sounding alarm

To snooze sounding alarm - press the navigation dial once to snooze the alarm for 5 minutes, The radio returns to standby for 5 minutes with a snooze countdown displayed. When the countdown reaches 0 (zero) the alarm is triggered again.

Press the snooze button multiple times to changes the snooze period from 5, 10, 15 or 30 minutes.

To cancel a sounding alarm and switch the radio to standby either alarm button.

Sleep

Detailed instructions

To set the sleep timer while the radio is playing press

Menu/Back

> Main menu > Sleep

You can choose the sleep delay time in minutes from:

Sleep Off | 15 | 30 | 45 | 60

Use the 'navigation' dial and 'select' button to chose an option.

Once you select a sleep delay period, the display returns to the Now playing screen displaying a Crescent moon icon and the remaining time, in minutes, before the sleep time expires.

After the sleep delay period the radio switches to standby mode.

Setting the clock / auto-update

Auto-update works with data sent over DAB, FM or the Internet. The clock is only updated when in a corresponding mode, so it is best to select a mode you use regularly.

DAB and FM use time signals broadcast with radio transmissions.

Network uses a time signal sent from the Internet radio portal when in any network-connected mode.

- 1 Select Update from DAB, Update from FM, Update from Network or No update.
- 2 If you are updating from the network, set your time zone.
- 3 If your country uses daylight saving, the automatically updated time from the network may be wrong by one hour. When daylight savings are in effect (during the winter), turn on the Daylight savings option to rectify this.

Note: That if you are updating the time from DAB or FM, the Daylight savings option has no effect on the clock's time.

Cello will auto-update from the selected source when time information is available.

Manual set

If you set No update, the wizard now prompts you to set the time and date manually.

The date and time are displayed as dd-mm-yyyy and hh:mm AM/PM with the first value, dd, active (flashing).

Adjust each value with the Select control.

As each value is set, the next value becomes active and flashes.

Connecting to a network

Cello is compatible with all common network protocols and encryption methods, including Wi-Fi Protected Setup (WPS).

To connect Cello to your network, you need a Wi-Fi wireless router, together with password key if set Select WLAN region/country >Wi-Fi network (SSID), and then select a network from the list.

If the network is open (non-encrypted), Cello connects and no further details are required; see Completion below.

Standard encrypted network

To enter the network's key (password), use the 'select' control to highlight the next relevant character and press to select each character in turn. As each character is selected, the key is built up near the top of the display.

The three options – Backspace, OK and Cancel are included in the selection loop.

These can be accessed just using the 'select' control, or, a shortcut is available, pressing the 'Info' key, which moves the selection highlight to the Backspace option.

WPS setup

WPS encrypted networks are identified by '[WPS]' at the start of the Network name, and have two methods of connection. Select one and follow the prompts. When using the network wizard an additional option to Skip WPS is available.

Select one and follow the prompts:

- **Push button >**
Cello prompts you to press the connect button on the router.
It then press the select control.
- **Pin > (code number)**
Cello generates an 8-digit code number which you enter into the wireless router, access point.
- **Skip WPS >**
Enter key as for a standard encrypted network, see above. For more information on setting up a WPS encrypted network, see your router's WPS instructions.

On completion

Cello connects to the selected network.

If connecting fails, Cello returns to the previous screen to try again. To exit the process use the 'Back/Menu' button.

Internet radio portal registration

Cello uses the Frontier Silicon Internet radio portal website that allows you to organise your favourites lists and also listen to Internet radio on a computer.

To register your Cello with the portal, switch to Internet radio mode and then obtain your radio's unique portal access code by selecting Menu > Station list > Help > Get access code > Write down the access code.

Note: The displayed access code is only valid for a few minutes. If you fail to register your radio within the time window you will need to repeat the above step to get a new access code and try again. Do not confuse the portal access code with the Radio ID (from Menu > System settings > Info.)

Visit the portal website at www.wifiradio-frontier.com.

If this is your first visit to the portal, register for a new account, entering the following information:

- access code
- your e-mail address
- passphrase
- radio model (Cello)

If you already have an account and wish to add an additional radio, log in to your account and select My preferences > Add another Wi-Fi radio. Once your radio is registered with the portal, you can immediately use the Internet radio favourites and added stations features.

Setting up a music server

In order for Cello to play music files from a computer, the computer must be set up to share files or media.

UPnP media sharing allows devices like Cello to play music from a shared media library navigating through tag menus such as Artist, Album or Genre. If you are running a suitable server system such as a PC with Windows Media Player 10 or later (WMP), and your music library is well-tagged, then it is recommended to use media sharing. Only the UPnP server needs to be set up.

Notice: iTunes does not currently work as a UPnP media server, but there are add-ons available to work with an iTunes library.

Sharing media with Windows Media Player

The most common UPnP server is Windows Media Player (10 or later). Alternatively, other UPnP platforms and servers may be used. To set up WMP for media sharing, perform the following steps:

- 1 Ensure that the PC is connected to the network.
- 2 Ensure that the radio is powered on and connected to the same network.
- 3 In WMP, add to the media library the audio files and folders you want to share with Cello (Library > Add to Library...).
- 4 In WMP, enable media sharing (Library > Media sharing...).

Make sure that the radio has access to the shared media by selecting it and clicking Allow.

You can also set a name for the shared media in Settings... Click OK to close the dialogue boxes.

The PC is now ready to stream the music to the radio. The WMP UPnP service runs in the background; there is no need to start WMP explicitly.

Setting up Cello for 'Play To' Windows 7 streaming media feature

To set up Cello to be controlled and to stream music via Windows Media Player 12

(Windows 7 only), perform the following steps:

- 1 Ensure that the PC is connected to the network.
- 2 Ensure that Cello is powered on and connected to the same network.
Note: Cello must be in Internet radio mode to be detected.
- 3 From the Windows 7 main screen, select Start > Devices and Printers.
- 4 Select the Add a device tab in the top left of the Devices and Printers window and follow the instruction prompts given by the wizard. In the Devices and Printers window a icon *) will appear and you are now ready to stream your Windows media music files to Cello.

*) To change the name of your device, right click on icon and choose properties. Then choose UPnP and click on 'device web page'.

System settings

System setting can be accessed whichever mode you are in.

Press 'Menu/Back' button > System Settings

Then choose from the various options as described in the menu as below.

- > Equaliser
 - > My EQ
- > Network
- > Time/Date
 - > Set time/date
 - > Auto update
 - > Set format
 - > Set time zone
 - > Daylight savings
- > Language
- > Factory Reset
- > Software update
- > Setup Wizard
- > Info
- > Backlight
 - > Timeout
 - > On level
 - > Dim level

Equaliser

This presents a number of preset settings plus a My Equaliser option to allow you to create your own equaliser settings.

Normal | Flat | Jazz | Rock | Movie | Classic | Pop | News | My EQ

Equaliser > My EQ

This option allows you to set a bias in the treble and bass audio frequencies and turn 'Loudness' On or Off.

Treble – (Use the 'select' control button to choose a bias value between -14 and +14)

Bass – (Use the 'select' control button to choose a bias value between -14 and +14)

Loudness – On or Off. (When On, low-level high and low frequency sounds are boosted to give a 'fuller' sound.)

Network

Cello remembers the last four wireless networks it has connected to, and automatically tries to connect to whichever one of them it can find. You can see the list of registered networks through Menu > System settings > Network > Network profile > from here you can delete unwanted networks by turning and pressing Select then confirming delete Yes.

There are also other options for viewing and manually altering network settings from Menu > System settings > Network > (for example setting up a wired network).

Users experienced with networking may find these options useful for diagnosing and fixing network problems.

Time/Date

The time and date can be updated manually or automatically. With auto-update, the time and date are automatically synchronised with national time signals broadcast over DAB and FM (when available).

You can also select the display format for the time and date.

The time menu contains the following options:

- Set Time/Date – (see below)
- Auto update – Update from DAB | Update from FM | Update from Network | No Update
- Set 12/24 hour – 12 | 24
- Set time zone
- Daylight savings

Time/Date > Set time/date

This option is for manually setting the time and date displayed. The time displays as hh:mm, with the first value, hh, active (flashing). Adjust each value using the select control button and press Select to confirm. The next value then becomes active and flashes. The date values follow and are set in the same way.

Note: The date and time are displayed as dd-mm-yyyy and hh:mm AM/PM with the first value, dd active (flashing).

Time/Date > Auto-update

Auto-update works with data sent over DAB, FM or Network. The clock is only selected when in a corresponding mode, so it is best to select a mode you use regularly.

Time/Date > Set format

To change between 12 and 24 hour display, select Set 12/24 hour and then select your preference.

Language

The default language is English. To change, select Menu > System settings > Language > select your favourite language.

Factory reset

A factory reset clears all user defined settings, replacing them with the original default values, so time/date, preferences/settings, DAB station list and preset stations are all lost.

If you select Factory reset, you are asked to confirm by selecting 'Yes'.

Backlight

The Cello has a backlight with three brightness settings, and adjustable timeout (this is the time delay, in seconds, after which the display switches to the Dim level).

There are three settings:

- Timeout - Light On | 10 | 20 | 30 | 45 | 60 | 90 | 120 | 180 | sec
- On level - High | Mid | Low
- Dim level - Medium | Low | Very low | Off

Disc maintenance

Handling discs

- Do not touch the playback side of the disc.
- Do not attach paper or tape to the disc.

Cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.
- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or antistatic spray. They may damage the disc.

Storing discs

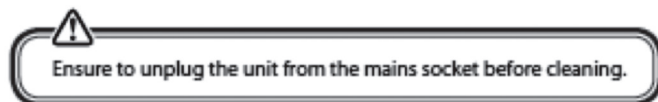
- Do not store discs in places subjected to direct sunlight or near heat sources.



- Do not store discs in places subjected to moisture and dust such as a bathroom or near a humidifier.
- Storing discs vertically in a case, stacking discs or placing objects on discs outside of their cases may cause warping.



Cleaning the unit



- To clean the unit, wipe the case with a slightly moist, lint-free cloth.
- Do not use any cleaning fluids containing alcohol, ammonia or abrasives.
- Do not spray an aerosol at or near the unit.



Class 1 Laser Product

- This unit utilises a laser. Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Before moving the unit, ensure the disc tray is empty.
- Always remove the disc when the unit is not in use. Failure to do so will risk severely damaging the disc and the unit.
- Do not stack devices; heat from other devices may affect the performance of the unit

Troubleshooting and error messages

Error messages

Message	Description	Example
Failed to connect	Correct key entered, but router rejects request	MAC filtering enabled on router
Format error	Cannot recognise file format - independent of network	Received WMA, but found that the stream wasn't WMA when trying to decode
Network error	Problem past router - incorrect data being received from network	Data obtained from server is unreadable.
Network not ready	Problem with connection to router	Router switched off
Network timeout	Problem past router - no response being received from network	Streaming IR station and suddenly station becomes unavailable
No UPnP media found	No UPnP servers found	
Service not available (DAB)	No DAB reception	
No USB device found		Trying to access USB menu, but no USB plugged in
Unauthorized	Access not granted by UPnP server	Allow access for CELLO in UPnP server settings
Update failed	Software upgrade failed	
USB device unsupported	Unsupported USB device plugged in.	
USB error	General USB problems	
USB read error	Unable to read particular data from memory	Bad memory sector found on USB device
USB underpowered	Power failure to USB device - user has to remove the device	

Troubleshooting

Problem	Cause	Solutions
FM: Hiss DAB: burbling/ intermittent cut-out	Low signal strength	Check/move antenna Move radio Re-scan local (high-strength) stations only For DAB, check local coverage at www.ukdigitalradio.com/coverage
DAB: 'No stations available' message	Low signal strength	As above then re-scan stations.
Cannot connect to network	Network down	Check that network is working between a computer and the router
	Router restricts access to listed MAC addresses	Obtain the CELLO MAC address from Menu > System settings > Network > View settings and add to router list.
		Note: CELLO has separate MAC addresses for wired and wireless networks; only the current network adaptor method address is displayed, but the other address can be obtained by changing the first pair of digits between '00' (wireless) and '02' (wired)
	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. CELLO supports WEP, WPA and WPA2
	Unusual network configuration	Setup network manually through Menu > System settings > Network > Manual settings

Troubleshooting

Problem	Cause	Solutions
Cannot connect to network (contd...)	Firewall preventing access	Check the following ports are open on the router: UDP and TCP ports 80 and 123; 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 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 particular Internet radio station	Station not broadcasting, overloaded or insufficient bandwidth.	Try other stations; try listening on computer via Internet radio portal website; try later.
	Station broadcasting using unknown codec. Link out of date.	
CD playback does not start	CD format is not compatible	Insert a different CD into the CD slot
	CD is damaged	Insert a different CD into the CD slot
	CD is dirty	Clean the CD
	CD is upside down in the CD slot	Eject the CD and insert it in the CD slot the right way up

Technical specification:

Speaker:	2 × 2 ½" full range driver, 1 × 5 1/4" woofer
Power:	30W RMS
Power Supply:	100-240 mains supply
Dimension (mm):	350W × 145H × 215D
Weight:	4.8Kg






Service

This product should only be repaired or serviced by an authorised service engineer and only genuine approved spare parts should be used.



This symbol  indicates that this product should not be treated as normal household waste and it should be recycled. John Lewis do not operate instore take back, but as members of the Distributor Take Back scheme have funded the development and upgrade of recycling facilities across the UK. Please take it to your nearest collection facility or for further details contact your local council or visit www.recycle-more.co.uk.

Guarantee

For 2 years in respect of defects found to be due to faulty workmanship or material. Proof of purchase is required for validity of the guarantee. This guarantee is no longer valid if the damage has been caused by accidental damage, alteration, repair by any unauthorised persons or poor maintenance. This guarantee in no way affects your statutory rights.

Retain these instructions for future reference



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