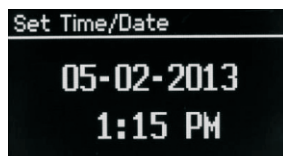


Adjust each value with the Select control. As each value is set by pressing the Select control, the next value becomes active ready for adjustment.



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.

M5+ 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).

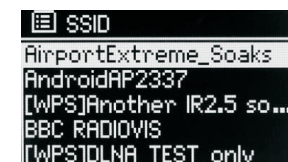
Adjust each value with the **Select** control.

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

3.1.3 Network

M5+ is compatible with all common network protocols and encryption methods, including Wi-Fi Protected Setup (WPS).

To connect M5+ 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), M5+ 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 short cut is available, pressing the Info key, which moves the selection highlight to the Back Space 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**

M5+ prompts you to press the connect button on the router. It then press the select control.

- **Pin > (code number)**

M5+ generates an 8-digit code number which you enter into the wireless router, access point.

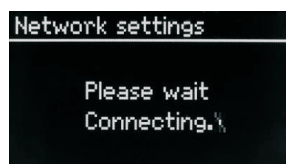
- **Skip WPS >**

Enter key as for a standard encrypted network, above. For more information on setting up a WPS encrypted network, see your WPS router's instructions.

On completion

M5+ connects to the selected network.

If connecting fails, M5+ returns to a previous screen to try again. To exit the process use the Back/Menu button.



3.2 Other settings

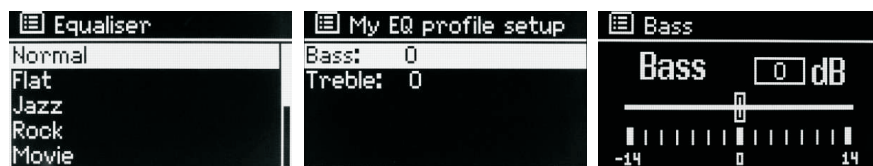
Sections for those modes. Common settings are covered below.

3.2.1 Equalizer

Several preset EQ modes are available; also a user-defined setting (My EQ).

To choose an EQ setting, select Menu > System settings > Equalizer. You can then choose from a variety of preset modes and My EQ

The last option 'My EQ profile setup' allows you to define your own settings for the 'My EQ' option, with custom bass, and treble settings.



3.2.2 Network

M5+ 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.

3.2.3 Language

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

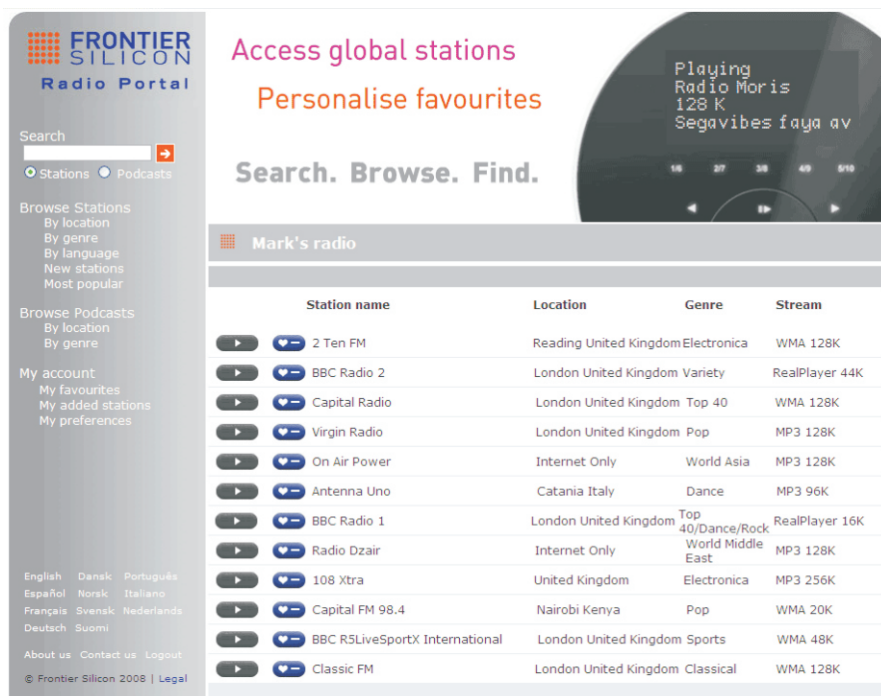
3.2.4 Connection your smartphone with the radio via UNDOK APP

To connect your Smartphone with M5+ you need to download the free app "UNDOK" from Apple Store or Google Play Store. IMPORTANT: The phone must be in the same wireless network as the music system.

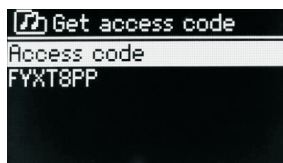
- Download the app and open it.
- The app automatically searches for available devices. Select "LEMEGA M5+" from the list.
- Open SOURCE to choose between different input signals.
- Open BROWSE to get a list of available stations. Select the desired station.
- Open NOW PLAYING to get more information about the channel.
- Open the settings to adjust the equalizer, set sleep timer and other functions easily.

3.3 Internet radio portal registration

M5+ uses the Frontier Silicon Internet radio portal website that allows you to organize your favorite's lists and also listen to Internet radio on a computer.



To register your M5+ 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 (M5+).

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 favorites and added stations features.

3.4 Setting up a music server

In order for M5+ to play music files from a computer, the computer must be set up to share files or media.

UPnP media sharing allows devices like M5+ 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.

3.5 Sharing media with Windows Media Player

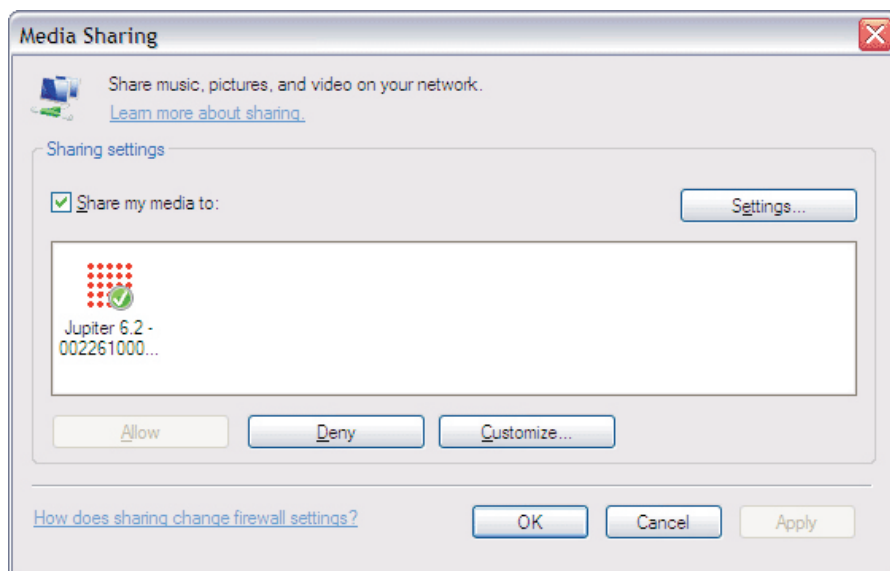
The most common UPnP server is Windows Media Player (10 or later).

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 M5+ (Library > Add to Library...).
4. In WMP, enable media sharing (Library > Media sharing...).

Notice: setup can differ depending on which version of WMP you have.

Notice: it may show; M5+, "Unknown device", "Frontier Silicon" or the Jupiter logo as shown below.



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.

3.6 Setting up M5+ for “Play To” Windows 7 streaming media feature.

To set-up M5+ 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 M5+ is powered on and connected to the same network.
- Note: M5+ must be in an 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 M5+.

*) To change the name of your device, right click on icon and choose properties. Then choose UPnP and click on “device webpage”.

4. Internet radio mode

M5+ can play thousands of radio stations and podcasts from around the world though a broadband Internet connection.

When you select Internet radio mode, M5+ contacts the Frontier Silicon Internet radio portal to get a list of stations, organized into different categories like Country, Most popular and Genre.

Once you select a station, M5+ connects directly to that station.



The portal also enables multiple lists of favourite stations that you can personalise, for example Andy's stations, Jo's favourites, Talkshows. To use the favourites feature, register your radio with the portal website. If you have several Frontier Silicon radios, you can register them all on the same account so that each radio has access to your favourite's lists. It is possible to add favourites either directly through M5+ or through any computer with a web browser.

To enter Internet Radio mode, either press Mode until the display shows Internet Radio or select Menu >Main menu > Internet Radio.

Note: The station list menu is provided from the Internet radio portal, so it is only accessible when M5+ is connected to the Internet. Station lists and submenus may change from time to time.

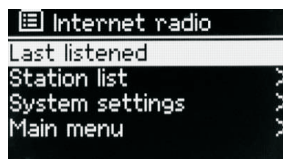
There are several ways of selecting stations.

Directly from the radio:

- Last listened
- Presets

From the portal through the **Menu > Station list> menu:**

- Favourites lists
- Browse by Country, Genre, Most popular, Newest
- Search by keyword
- My added stations



4.1 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.

4.2 Presets

Presets are stored in the radio and cannot be accessed from other radios.

To store an Internet radio preset, press and hold **Preset** until the display shows the Save preset screen. Select one of the presets to save the currently playing station.

To select a preset, press **Preset** briefly, then select one of the listed preset stations.

When a preset station is playing, it shows ☆1,2,3 etc in the bottom middle of the screen. Note: Operation of presets is identical for Internet radio, DAB and FM.

4.3 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].

4.4 Browse

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



4.5 Search

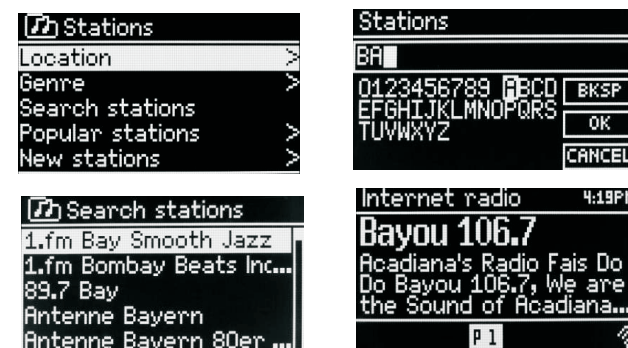
You can also search through Internet broadcasts for stations or podcasts with particular keywords in their title.

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.



4.6 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 M5+ by selecting Menu > Station list > My added stations > [Station].

4.7 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

5. Spotify Connect

Connect your M5+ and Spotify control device to your home Wi-Fi

All devices need to be on the same Wi-Fi.

Get the Spotify app/Premium free trial

Download the Spotify app for your mobile or tablet from your app store, and take the Premium free trial. Log in to Spotify and start playing a track.

Play millions of songs on your M5+.

To start with, your mobile/tablet and M5+ need to be on the same Wi-Fi. Tap on the Now Playing bar to reveal extra controls, and select the Speaker icon. On the Connect screen, Just choose your M5+ and it'll start playing. Adjust the volume at the volume bar below on the Connect screen.

Spotify Connect

With Spotify you get millions of songs easily accessible. The artists you like, the latest hit songs and new discoveries, just for you.

With Spotify Connect feature lets you play and control all your music wirelessly. Select music on your smartphone or tablet and hear on the radio.

Your radio has Spotify Connect built. This allows you to control the music playing on the radio using the Spotify app on your smartphone or tablet.

Listen Nobody is seamless - you can call, play games, watch movies, and even turn off the phone without interfering music. There is a better way to hear music at home.

* For availability in your region, see www.spotify.com.

You must have a Spotify Premium account to get full access to millions of songs from Spotify archive, all with adequate sound quality.

If you do not have it, you can go to www.spotify.com/freetrial for a 30 - day trial.

To use Spotify Connect

1. Download Spotify app for your Smartphone or tablet (iOS or Android) .
2. Connect the radio to the same wireless network as your Smartphone or tablet, and then press the MODE button repeatedly to select Spotify Connect mode.
3. Open Spotify app on your Smartphone or tablet and play a song.
4. Touch the picture of the album at the bottom left of the screen. Then press Connect icon
5. Press M5+ to select your radio and it will start playing from you M5+.

Note that radio is that " LEMEGAxXXXXXXXXXX " (12-digit number is the MAC address of the radio) in Spotify app.

6. Music player mode (network)

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



To enter Music player mode, either press Mode until the display shows Music player, or select **Menu** > Main menu > Music player Once in music player mode, press Menu , then select Shared media.



If you are already playing a music file, you can press Back to quickly return to the last visited branch of the menu tree. For example, suppose you were listening to the track Heat by the artist 50 Cent through browsing shared media as described in section 0 below. Pressing **Back** would return you to the track listing for the album Get Rich or Die Tryin'. Pressing **Back** again would list all 50 Cent albums. Pressing **Back** again would list all album artists, and so on.

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.

6.1 Shared media (from UPnP media server)

Select **Menu** > Shared media >

If you have set up shared media, 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. M5+ 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.

M5+ plays either the selected track or the playlist.

6.1.1 Wake-on-LAN

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

If a question mark 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 question 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.

6.1.2 Prune servers

From time to time it may be necessary to remove servers displaying question marks in front of the server name from the server list. For example,

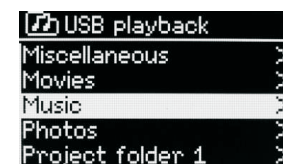
if the device is moved to a new network or if a Wake-on-LAN server is removed from your current network.

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

6.2 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.

6.3 Playlists

M5+ 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 though 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.