

B2 Operating Guide

25th November 2016

This online document will be updated as new features are added to the B2. If there is anything that is wrong or needs clarification please let me know using the feedback form on brennan.co.uk.

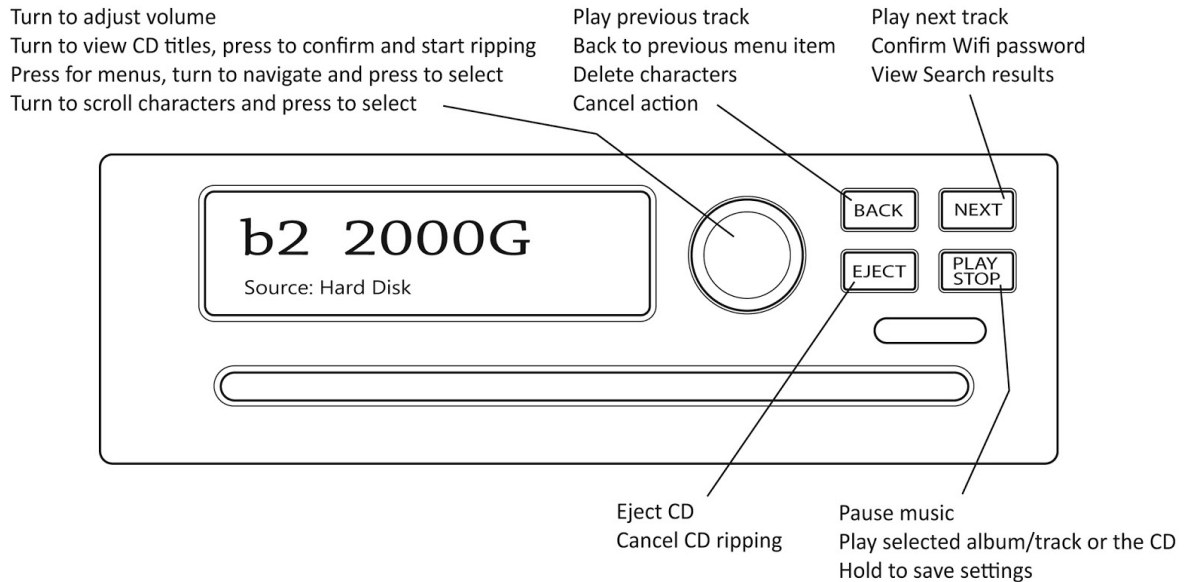
The guide expands on the B2 quick start guide and some information may be repeated here.

Please see the Brennan B2 website (www.brennan.co.uk) for the latest information, software updates and Q & A's.

Martin Brennan

Front panel controls

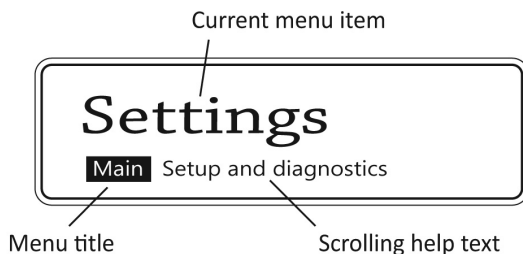
In general the B2 can be set up and controlled via the front panel controls and/or the remote controller. The web interface (see Web UI section) is still being developed but currently is a great way to view all of your music, search for Artists/Albums/Tracks, generate/edit/play playlists and search/play Internet Radio (see the section on Web UI).



The UI (user interface) is menu driven and is accessed by pushing the main control knob and turning it to see the options. Or on the remote control – press OK and press the up and down buttons. Generally up, down and OK on the remote control are equivalent to turning and pushing the control knob.

If you get lost or are unsure you can always press 'BACK' to go back one step, cancel the current operation and/or keep pressing to get back to the home screen. And if you press and hold the PLAY/STOP button that stops everything - playback, ripping, backup, etc, etc - so you can think of it as a useful kind of panic or reset button.

A typical menu page looks like this –



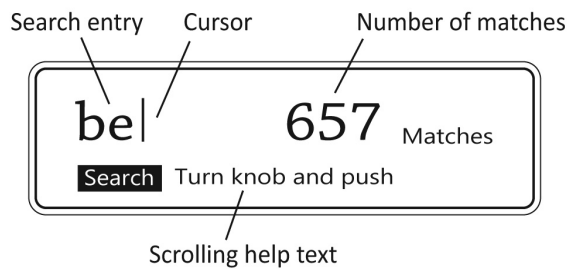
The display shows the menu (or submenu) title, the current menu item and some help text describing what buttons you can press and what they do.

When playing a track off the HDD a typical playing screen will look like this –



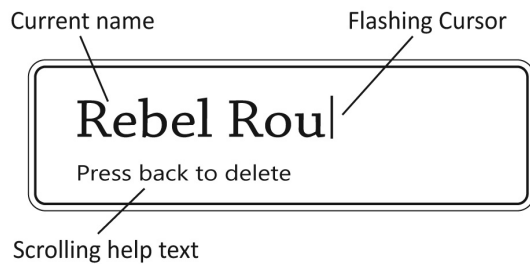
The Artist and/or Track text scrolls to accommodate long names and the information line scrolls to show Artist, Album, Play order, Playlist and Track number/Format/Elapse Time.

The Search screen –



The display shows the letters you have entered, a flashing cursor, the number of matches (these are updated as more letters are entered), menu title and some help text.

The Rename screen –



The display shows the current name, a flashing cursor and scrolling help text.

Menu Structure

To navigate the menus from the front panel or the remote control (R/C) –

SELECT	press the control knob (OK button on R/C)
SCROLL	rotate the control knob (UP/DOWN buttons on R/C)
NEXT	confirm action/view results
BACK	go back one step/cancel action/delete last character
>	next step/action

Main Menu

Browse Artists	Browse all Artists on HDD > SCROLL to view > SELECT to open Artist Menu
Browse Albums	Browse all Albums on HDD > SCROLL to view > SELECT to open Album Menu
Search	Search for Artist, Albums and Tracks by entering letters/numbers/symbols
Current Track	Options for the currently playing track – Add to Playlist, Delete, Goto Artist, etc
CD Functions	Options for the CD - Play, Rip, etc.
Settings	Access to the set-up menus
Playlist Menu	Add to Playlist, Delete Playlist, Clear Playlist, etc.
Internet Radio	Play Internet Radio
Find Station	Find an Internet Station (UK based stations only)
Play Aux	Select the Line input as the play source – see Play Aux section
Play Bluetooth	Start Bluetooth mode – can also be initiated by the connect device
USB Functions	List of functions such as Backup, Load a database from USB, etc.

And sub-menus -

Artist menu

Pick Album	Select an Album associated with the Artist > SCROLL to view > SELECT for Album Menu or press PLAY to start
Delete Artist	Deletes all Albums by this Artist
Rename Artist	Useful if an Artist is listed two different ways e.g. The Beatles and Beatles > BACK to delete existing name > SCROLL characters and SELECT > NEXT to complete

Album menu

Pick Track	SCROLL to view tracks > SELECT for Track Menu or press PLAY to start
Play Album	SELECT to play the Album from the start
Add to Playlist	Adds the Album to a Playlist > SCROLL to view Playlists > press to SELECT
Delete Album	Delete the selected Album > SELECT to confirm
Rename Album	Change Album name > repeatedly press BACK to delete existing name (press and hold BACK to cancel) > SCROLL characters and SELECT > NEXT to complete
Rename Artist	Change Artist name
Go to Artist	Finds all music associated with this Artist > SELECT to open Artist Menu

Current Track menu

Got to Album	Finds the Album for the current track and opens Album Menu
Go to Artist	Finds the Artist for the current track and opens the Artist Menu
Play Track	Play a selected track > SCROLL to view > press PLAY to start
Add to Playlist	Add the current track to a Playlist > SCROLL to view Playlists > SELECT to add
Delete Track	Delete the current track > SELECT to confirm
Rename Track	Change the track name

CD Functions

Rip CD	Copies the entire CD to the b2's hard disk drive (HDD) > SELECT to start
Play CD	Play the CD > PLAY to start - Track info will be displayed - Random mode available
Pick Track	Play track off the CD > SCROLL to view tracks > SELECT to play
Pick Name	Select Album and Track info from the database > SCROLL to view > SELECT to rip or PLAY to play the CD with Track info displayed
Offline Lookup	Lookup Album and Track info from the B2's internal database

Settings menu

Setup Wi-Fi	Scans for available networks > SCROLL to view > SELECT > Enter password (if required) > NEXT to connect
QR Code	Display QR to read on your phone/tablet (requires an app on your device)
Compression	Options are FLAC, MP3 or None > SCROLL to view > SELECT
Random Play	Set Random (Shuffle) mode > SCROLL to change > SELECT
Segue	ON - volume fades between track changes. OFF - have a gap between tracks
Classical Mode	ON - B2 stops playing at end of Album. OFF - continues playing next album/track
Bluetooth I/O	IN - play from a connected BT device, OUT – play B2 music to BT speakers
Scan Bluetooth	Scan for available BT speakers to pair with. BT speakers must be in pairing mode
Jack Sensing	Option to turn off the internal amplifier when a jack is plugged into Line Out
Sorting	Turn Alphabetical sorting of Artists and Albums ON or OFF
Brightness	Adjust display brightness
Delete Music	Deletes all music on the HDD. TAKE CARE this is irreversible!
Scan Disk	Refresh the music index. This can take some time

Web Upgrade	Get the latest software for your B2. Requires an internet connection
Radio Update	Check for new UK based Internet Radio stations
Maintenance	Starts the Maintenance Menu
Retry Wi-Fi	Restarts Wi-Fi > starts scanning for available networks
Switch Wi-Fi	Option to switch to another network - displays a list of known networks
Hidden Wi-Fi	Set up a hidden Service Set Identifier (SSID)
Set Time zone	Adjust the time relative to GMT by whole hour increments
Get Recording	Move contents of SD Card (internal SD slot) to HDD. TAKE CARE this will overwrite the HDD

Playlist Menu

Playlist OFF	Exits the Playlist when the current track finishes - the B2 reverts to All Music
Play Playlist	Select a Playlist to play
Clear Playlist	Clears all tracks from the selected playlist
Save Playlist	Save all Playlists to a folder on USB storage device in USB C
Load Playlist	Load a Playlist from playlists folder on USB storage device in USB C
Export Playlist	Copy the Playlist and contents (tracks) to a USB storage device in USB C

USB Functions

Backup to C	Back up all music to a USB storage device in USB C (or USB A)
Load database	Load the 'mydb' file from USB C to update the on-board CD database
Playlist from C	Load a Playlist from USB storage device on USB C > SCROLL to playlist > NEXT
Playlist to C	Copy a Playlist to USB storage device on USB C > SCROLL to playlist > NEXT
Import from C	Import music, which is not a Brennan backup, from USB storage device on USB C
Restore USB C	Restore a Brennan backup from USB storage device on USB C

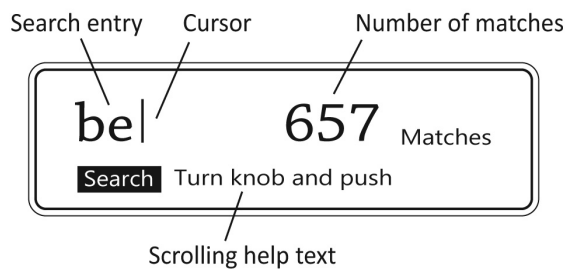
Description of Menu functions

Browse Artists - scroll through all artists on the hard disk – this is OK when you have only a few dozen albums - use Search when you have lots.

Browse Albums - scroll through all albums on the hard disk - OK when you have only a few dozen albums - use Search when you have lots.

Search - this is the principal way of finding artists, albums and tracks.

From the front panel use the control knob to SCROLL and SELECT letters for the search. Or on the remote control use the old fashioned texting convention - press the '2' button once for 'a' ('A' takes five presses), twice for 'b' etc. The cursor blinks fast as you enter characters then slows down to let you know when you can use that same button again.



The display shows the number of matches found and this updates as more letters are entered. Press NEXT and SCROLL to see the matches or BACK to enter more letters.

The matches are identified as Artist, Album or Track and a search clue such as 'deep' will find all occurrences of deep –

- Artist - 'Deep Purple'
- Album - 'Deep Purple in Rock'
- Track - 'Deep Purple Black Night.FLAC'.

For the displayed Artist/Album/Track, pressing SELECT (or OK on the remote) takes you to the corresponding menu. Or you can simply press PLAY to play the album or the first track on the first album listed by that artist.

Or select Random mode and rediscover your music collection.

B2 organises music hierarchically by artist >> album >> track. Each track belongs to one album and each album belongs to one artist. Compilation albums tend to use the convention of describing the artist as "various" and to usually start each track name with the artist.

Rip CD - When a CD is inserted the B2 checks against a database for possibly matches and displays the results. Sometimes there are more than one match so SCROLL to view and SELECT to choose and start ripping (or press PLAY to play the CD). The Artist, Album and Track information from the database is copied with the CD.

There's a database of around 3.5 million CD titles stored on the HDD. When the B2 is connected to the internet (via Wi-Fi or Ethernet) it has access to the online database which is usually more up to date.

Rename - If the B2 cannot find a match for the CD it will suggest a name such as 'Album 247'
> make a note of this number so you can find and rename it later > SELECT to rip the CD.

Now using the search function enter '247' to search for Album 247 > SELECT opens the Album Menu > SCROLL to Rename Album > SELECT >



Now press BACK repeatedly to delete the old name > SCROLL and SELECT letters for the new name > NEXT to complete.

If you press and hold BACK it cancels the operation.

Setup Wifi – From the Main Menu > SCROLL to Settings > SELECT > at Setup WIFI press SELECT > the display shows 'Scanning' as the B2 checks for available networks. These are then displayed > SCROLL to view > SELECT > enter password (if required) > NEXT to connect.

For open networks leave the password blank, so just press NEXT to connect.

Playlist Menu - This menu lets you access Playlists functions from the front panel or R/C. You can play or add tracks/albums to playlists directly from the remote control using the colour (number) buttons (see Remote Controller).

Playlist OFF – when you select Playlist OFF the B2 reverts to playing All Music. The currently playing track plays through to the end and then the next track played depends on whether Random is ON-OFF.

The Web UI is a great way to set up, edit and play playlists – see Web UI.

USB Speed - This function lets you change the USB speed. High Speed is normally used however when using the Aux-Line input the B2 automatically changes to slow mode (because of a limitation in the Raspberry Pi) - see the Play AUX section.

Low speed will slow ripping, backup and other activities so make sure High Speed is selected for all modes except Aux-Line.

QR Code - this function displays the B2's IP address as a QR code. There are free QR code reader Apps for phones and tablets - allowing you to point the phone camera at the B2 and bring up the web interface on the phone/tablet. (The phone/tablet must be on the same Wi-Fi network – it's not enough for it to be on the internet).

Compression – Compression is used so you can get more music onto the HDD. By default B2 compresses using FLAC (Free Lossless Audio Codec) as this provides the same audio playback quality as the original CD.

If you want maximum storage and don't mind a small loss in audio quality, the B2 can compress using MP3.

If on the other hand you want to maintain maximum audio quality you can turn compression off but this will reduce the music storage capacity.

Music is compressed after the B2 has been sitting idle for a few minutes, so leave it powered on after ripping a batch of CDs. During compression the display shows the number of tracks to be compressed and the % progress.

Random Play - selects shuffled or as recorded playback. This can be selected within Albums and Playlists or for All Music on the HDD.

Segue - Segue is a five or six second overlap between one track and the next with the volume fading up and down between tracks. This might not sound so good for live albums and classical recordings, where the music is continuous across the track boundary on the CD, so there is an option to turn it off.

Delete Music - as dangerous as it sounds - you will be asked to confirm - this **deletes all the music** and all playlists from the hard disk - letting you start again.

Scan Disk - B2 maintains an index of all the music on the hard disk. The Scan Disk function rebuilds that index - you shouldn't need it but if an error occurs somewhere and the database is out of sync with the disk - this function will fix it. It may take a while and depends on how many tracks there are on the HDD.

Web Upgrade - this function loads and installs the latest version of the B2 software from the www.brennan.co.uk site. Check the website for the date of the latest version and a description of improvements as these are regularly updated and features added.

Internet Radio – Play music from 38,000 online radio stations around the world. The B2 has ten stations already programmed in, SCROLL to see these > SELECT to play or use 'Find Station' to find a specific station (Find Station is similar to the Search function). Stations can be saved, as presets, to the 0-9 buttons on the R/C. Press and hold a button until the display shows 'Station Added'.

The current 'Find Station' function uses the 'Radiofeeds' station list so will only search UK based stations – see www.radiofeeds.co.uk

If you cannot find a specific UK radio station try 'Radio update' in Settings. There is more info on the Brennan B2 website – Q&As > Internet Radio.

The Web UI gives access to V-Tuner which provides a more comprehensive search function and allows you to search stations by name, location, genre, etc.

Play Aux – the B2 can record audio on ‘Aux In’ to a file on the HDD – so you could use it to transfer music on vinyl or cassette tape for instance.

When Play Aux is selected the B2 automatically switches to low-speed USB mode and reboots. This is necessary because of limitations on the Raspberry Pi where the resulting sound may crackle if USB is used in high speed mode –
SCROLL to ‘Play Aux’ > SELECT > ‘Are You Sure?’ > SELECT > the display shows ‘Speed Set’ and ‘Rebooting’ > wait until ‘Aux/Line In’ is displayed.

- You can now use the ‘Rec’ button on the R/C to start and stop recordings
- Music is recorded to files track01, track02 and so on - in an album called ‘Recordings’.
- You can rename the album and tracks later
- New recordings will create a fresh Recordings album starting at track01.
- When recording you can stop recording one track and start the next by pressing Rec twice quickly.
- You can monitor the Aux In input by pressing the Aux button on the remote.

To exit Aux/Line mode – press HDD on the R/C > ‘Are you sure’ > OK > display shows ‘Speed set and Rebooting’ > wait for the B2 to reboot and display the B2/clock page.

Play Bluetooth – You need the optional Bluetooth dongle to use BT (Bluetooth). Setting up BT on the B2 has been made simple and generally this will be the sequence -

- With the B2 turned on and displaying the scrolling status line with “Bluetooth Ready”
- Go to Settings > Bluetooth on your phone/tablet
- Turn on Bluetooth (if it’s already on it can help to turn it off and then on again to make you phone/tablet search for available BT devices)
- Brennan B2 should appear in the list of available devices
- Tap this entry to pair and connect (you sometimes need to do this twice when first introduced)
- The B2 display will change to indicate Bluetooth has been selected as the source
- Navigate to your music playing App on your phone/tablet - say Spotify - and start playing something - the music will come out of the B2 speakers

If you run into difficulty two tricks can be useful

- On your phone/tablet for Bluetooth there is usually an option to “forget” this pairing - try that and then reconnect.
- Try turning Bluetooth off and on again on your phone/tablet

USB Functions - this menu contains functions relating to transfer to and from USB storage devices. The menu will only show options if there is a USB storage device (USB hard drive, memory stick, etc) plugged into USB A or USB C port (USB B is only available for external

use on models that do not have a built-in hard disk). The letter in the menu item will reflect which port is being used.

- **Backup to C (or A)** - this function creates a backup of all the music on the B2 to the hard disk attached to the specified USB port. Backup can take a long time but it is interruptible and incremental - which means you can stop it by holding the PLAY/STOP button and when you restart - it will skip any files already backed up - so you don't start from square one.

B2 uses the same format as JB7 backups so backup disks are interchangeable.

- **Restore from C (or A)** - this function loads music from a B2/JB7 backup disk. Again restore is interruptible and incremental.
- **Load Database** – This function allows you to update the on-board CD database using a USB stick or CD. To update your B2 offline database download the latest file following instructions at www.brennan.co.uk > Shop – save it to a USB memory stick or disk - then use the Load Database function.

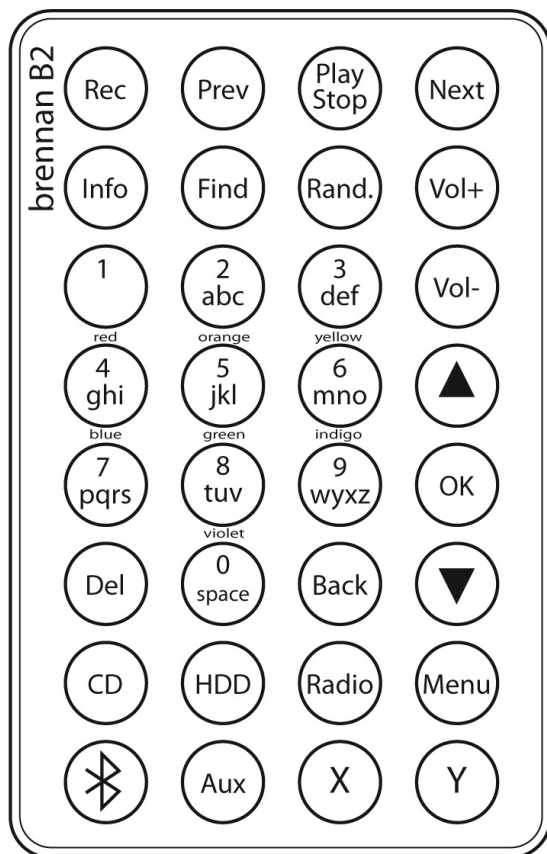
Lookup using the online database does not update the internal database.

- **Playlist to C (or A)** - this function saves a playlist to the specified USB port. A playlist is just a text file which allows you to edit or even create a playlist externally (take a look at an existing playlist). Each line is either a track or album - you can rearrange or delete lines but the names must match an album/track on the B2. If there is a mismatch the line will be ignored.
- **Playlist from C (or A)** - this function loads a playlist from the specified drive - see above.
- **Import from C (or A)** - The import function loads music, which is not a B2 or JB7 back up, from a USB device plugged into USB C (or A). The import function copies any music file with a wav, flac, mp3 or m4a format. The music files should be organised in folders like this -

../Artist Name/Album Name/Track Name.mp3

This is the organisation used by iTunes so it's fairly easy to import your iTunes music into B2. However import will still work if the files are not organised that way - the album and artist for each track is taken from the parent and grandparent folder and will be shown as 'unknown' if there is no folder.

The remote control



Button functions

Rec	Pressing this button will start or stop recording from Aux In to the hard disk – you have to select Play Aux mode before this will work
Prev	Play the previous track (depends on Random mode setting) Jump to previous radio station if Radio is selected. Move the cursor to the left during text entry
play stop	Start or stop music playback - any source.
Next	If B2 is already playing, pressing NEXT will play the next track If B2 is not playing then this button starts playing a random track from the hard disk Jump to next station if Radio is selected Move the cursor to the right during text entry
Info	Pressing this button displays some useful statistics about your B2 – such as disk capacity, usage and software version. Press the up/down buttons to view more info
Find	Start the search function
Rand	Display and change Random mode. First press displays the current setting and second press changes it
Vol+	Increase volume by one step
red - violet	When HDD is selected these numeric buttons correspond to playlists

	<p>The first press of the button displays the playlist and how many items it contains</p> <p>The second press starts playing that playlist</p> <p>Holding the button adds the current track to the playlist</p>
0-9	<p>When text entry is called for these buttons can be used to “text” letters of the alphabet like on an old mobile phone. There are some punctuation marks on the “1” button</p> <p>When Radio is playing these buttons will pick the first ten radio stations</p> <p>When CD is playing pressing two digits will jump to that track - so “03” will jump to track 3 and “15” will jump to track 15</p>
Vol-	Decrease volume by one step
Up	The up triangle is used scroll through choices and is equivalent to turning the knob clockwise
OK	Select the current choice
Del	Delete the character to the left of the cursor during text entry
Back	Go back to the previous menu
Down	The down triangle is used to scroll through choices and is equivalent to turning the knob anticlockwise
CD	Selects the CD as the music source. If there is a CD inserted it will start playing from the first track
HDD	Selects the internal HDD as the music source. If a playlist is currently playing - pressing this button switches to normal play i.e. the next track will not be from the playlist
Radio	Selects Internet Radio as music source. Pressing this button will start playing the last played internet radio station
Menu	Start the menu system
Bluetooth	This button selects Bluetooth as the music source. In fact you don’t need to press this - if B2 has a Bluetooth dongle inserted then it is always visible and ready to pair, so you can just connect and play from your phone or tablet. Once playing from Bluetooth if you want to listen to internet radio for a bit and then switch back to Bluetooth, use this button
Aux	This button selects the Aux In as music source.
X & Y	These buttons have been reserved for future use.

Additional info

USB ports

B2 has three USB ports but USB B is only usable on models **without** an internal hard disk.

If your B2 has a hard disk do not use USB B, it won't work.

I recommend you use USB A for the Wi-Fi dongle and USB C for backup disks or the Bluetooth dongle. The Wi-Fi dongle is a pretty powerful radio transmitter and can interfere with low level audio signals - USB C has been placed away from the sensitive audio for that reason.

You can hot-plug USB mass storage devices - that means USB disk drives and memory sticks can be plugged in and out while B2 is turned on but other devices like the Bluetooth and Wi-Fi dongles must only be plugged and unplugged while the unit is turned off.

Standby

When you haven't used B2 for five minutes it goes into standby mode - but before it does it checks the hard disk for any uncompressed WAV files and then compresses them either to lossless (perfect copies) FLAC files or lossy (but much smaller) MP3 files. This is a slow process so that's why it is done in standby.

The compression mode is set in the Settings Menu.

You can wake it up from standby or interrupt compression by pressing any button or key.

If you want to stop compression so you can turn off B2 - then press and hold the PLAY/STOP button.

Standby isn't a very low power standby mode - so you should turn off B2 at the mains unless you are using it - to conserve energy.

Ethernet

The Raspberry Pi inside B2 has an Ethernet connector that allows you to make a wired network connection. You might choose to do this for more reliable network connections when your Wi-Fi environment is congested. It has the advantage that you don't need the Wi-Fi dongle so you get an extra USB port.

It's a bit fiddly - but here's how you do it.

In order to access the Ethernet connector on the Pi - you need to unscrew and slide out the electronics from the case. Remove the power and SD card first. The two screws on the back panel are marked with arrowheads. The rear panel is snug so you may need to prise it open using a small screwdriver to lever between the large Ethernet slot and the top of the case. You risk scratching the case - so use something soft between the case and the screwdriver.

Do not try and pull out the electronics very far - there is a small cable on the underside that will limit how far you can pull it out.

It's very snug - but there is space to plug an Ethernet cable into the Pi - coil it around and feed it out through one of the slots in the rear panel. If you can find some flat ethernet cable you will find it is less cramped.

To reassemble - reverse the above sequence - taking care not to pinch any cables.

To remove the Ethernet cable from the Pi - is also a bit fiddly because you need to lever up the strain relief catch on the Ethernet cable and its on the wrong side - I use a small flat bladed screwdriver.

The B2 software will work automatically with an Ethernet connection - no Wi-Fi password.

Troubleshooting

Apart from "Turn it off and on again" there is just one function you might want to know about.

B2 keeps a database of where everything is on the disk. If this database gets out of sync with what's on the disk - say because of a software bug or the power being turned off at the wrong moment - then B2 could get confused.

Use the Scan Disk function in Settings to rebuild the database.

Contains 'Raspberry Pi'

B2 uses a Raspberry Pi - If you are interested and know what you are doing you can program and experiment with the Pi. Skip this section if it doesn't apply to you.

You can login to the Pi using the IP address displayed on the B2 OLED user "root" password "brennan". If you do login you should be aware that you can corrupt the SD card and hard disk and render the B2 inoperable at your own risk. If you know what you are doing you already know this. I suggest backing up the SD card with something like Win32DiskImager so you can get back to square one if needed.

If you need/would like to know more about the B2 hardware and operating system for a project use the feedback form on brennan.co.uk.

Navigating Your Music

It may not be immediately apparent from the dry presentation of menus that you can wander about through your music collection.

Say you select "Current Track" from the Main Menu. That takes you to the Track Menu for the currently playing track. From the Track Menu you can select Goto Album or Goto Artist these take you to the Album Menu or the Artist Menu for that track's album or artist.

From the Album Menu you can go up to the artist or down to the individual tracks with Pick Track

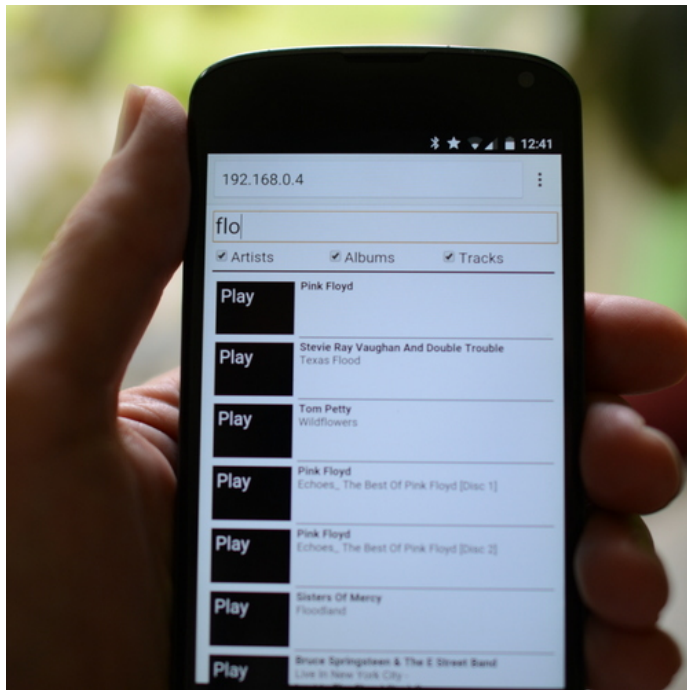
From the Artist Menu you can pick other albums by that artist.

Browse Albums is a simple way to find albums - but it gets inefficient when there are many hundreds of albums.

Search is the fastest way of finding what you are looking for - but it throws up matching artists, albums and tracks - so when you combine search with Goto Album, Goto Artist, Pick Track and the Artist Menu - it can be nice a way to make serendipitous musical finds.

Web UI

B2 has a web user interface - so you can see what's happening and control your B2 from a web browser. All you need to do is type the IP address of the B2 – it's displayed on the scrolling status line > press STOP to see this if the B2 is playing – into the URL of your browser. On the picture below I typed "192.168.0.4" into my mobile phone browser.



Or use the 'find my B2' app (available for Android from Google Play store – search Brennan B2) or you can use the QR Code (this requires an app on your device) to see your B2.

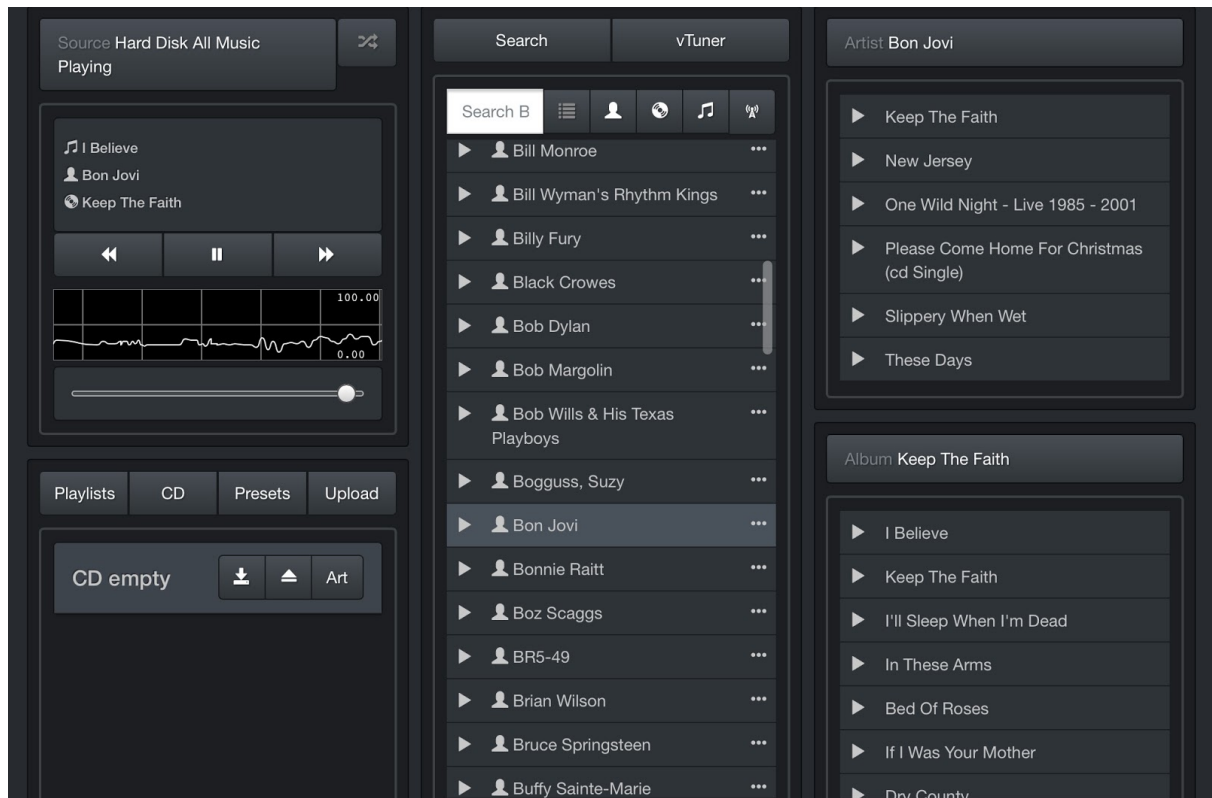
The Web UI is currently being developed with new features added from time to time – please visit www.brennan.co.uk > Questions > Latest Software for updates and the Web Interface page for Q&A's. To date the UI works with Apple iOS, Android and Windows Explorer but works best with Google Chrome.

General commands

Windows Click on a 'title' to select
 Click the '>' symbol to play
 Click '...' to delete/add to playlist/rename
 Double click on a title to rename

Apple iPad Touch on a 'title' to select
 Touch '>' to play

The equivalent Drag and Drop and double-click functions are not yet available for Apple devices.



A typical Web UI page displayed on an Apple iPad.

Source window

Displays current source (Hard Disk, Internet Radio, etc) and status (Paused, etc).

Shuffle button

Switch Shuffle (Random play) mode on or off.

Search button

Start Search engine - enter clues to search for music on the HDD or for radio stations – the results shown depend on which filters (the icons to the right of the search window) are selected – these are Current Playlist, Artist, Album, Track and Radio Station.

Results are listed by Artist >> Album >> Track >> Radio station and a search clue of 'Car' may list the following results –

- Artist – **Carole** King
- Album – **Careless** Love
- Track – Used **Cars**
- Radio station – Radio **Caroline**

amongst others.....

To reduce the number of search results or to focus your search, you can use the filters – Playlist, Artist, Album, Track or Radio Station – which can be switched on or off as required. In the example shown above (Web UI displayed on iPad), **Bon Jovi** has been selected from the list of Artists – the following information is displayed for Bon Jovi –

- **Artist window** – shows a list of six albums by Bon Jovi – click on the ‘>’ symbol, next to the album name, to play the complete album – drag and drop the album to add to a Playlist – double click the album name to rename the Artist or Album name.
- **Album window** – shows a list of tracks for the selected album (Keep the Faith in this example) – click on the ‘>’ symbol to play it – drag and drop the track name to add to a Playlist – double click the track name to rename the track.

vTuner button

Starts the VTuner search engine for Internet Radio stations – you can search by location/region or enter a specific station name (or part name). You will be given a list of search results – click on one to play – drag and drop to Presets to save.

- Selecting a location/region will display a list of countries – followed by a list of City locations and/or Genres – and then a list of Stations – click on one to play – drag and drop to Presets to save.
- Selecting ‘Internet only’ displays a list of Genres – clicking on one of these displays a list of stations – click on one to play – drag and drop to presets to save.

Playlist button

Displays the playlist functions – these let you view, rename, create new playlists – you can add albums/tracks, reorder and delete using Drag and Drop.

- Playlist – the current playlist is displayed with a list of albums/tracks – click on the playlist name button to see a drop down list of all playlists – click on one to select
- Play – play the selected playlist
- Rename – rename the selected playlist
- New – create a new playlist – you can have up to 50 playlists
- Mix – allows you to combine existing Playlists.

There’s more information on using Playlists at www.brennan.co.uk – Questions > Playlists.

CD button

Opens the CD window and lets you see what’s in the CD slot – available titles are displayed – click on one to select – use the control buttons to Rip, Eject and Get Album Art.

Presets

Displays the preset list – these are numbered 0 to 9 and correspond to the 0 - 9 buttons on the remote – you can add a station to Presets using drag and drop

Upload

Use to upload music from your computer or mobile to the B2 – opens a window with options to enter the Album or Artist name or to browse for music to upload.

- The 'Choose files' option opens a new 'Open' dialogue on your computer.
- Cancel stops the upload

To be continued.....