



WallboxPlayer – Manual

www.wallboxplayer.com

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This WallboxPlayer is a device that turns your wallbox into a music player. This QuickStart manual provides basic instructions on how to install and operate the WallboxPlayer. For complete instructions and options, refer to the full manual. In case you have any questions, contact me anytime.

WallboxPlayer Features

- **Select songs on your wallbox and play your music without a jukebox**
- **Song queue and/or random play (random up to 999, MP3/WAV)**
- **Audio (3.5mm jack) and speaker or Bluetooth output (option)**
- **Wide range of compatible wallboxes**
- **WiFi capability for control**

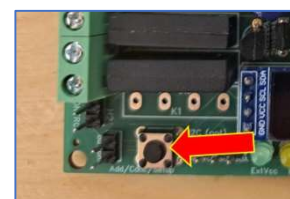


The WallboxPlayer supports a range of Seeburg, AMI, Rockola and Wurlitzer pulse-controlled jukeboxes. Power to the player is provided from the wallbox, reducing the need for an extra power supply. Music is stored on a microSD card and can be filled matching the wallbox titles. **The MP3/WAV SD card slot** can be found on the top left under the blue player, contacts should be on your side and visible before inserting. The music files are stored on a micro-SD card under the player board. Ensure the card is clicked in. For information on formatting and listing, see below in this document.

After powering up, the screen will show startup messages with release version, jukebox and wallbox type (including number of selections), operating mode and number of MP3/WAV files on card, volume and equalizer setting, idle time before random play, selections before credit pulse, and number of plays/selections. After a few seconds the system will show the green status light and be available for selections. If the control relay is set up to enable the lightbulb, the blue led will also be on. When during startup, the music files cannot be read or the display is not functioning, the status LED will blink twice, and the red player LED will not be on.



SETTINGS: The onboard and extra mounted 'select/cancel/setup' button to perform setup serves two functions, its primary function with a short press, is to CANCEL the currently playing song or ADD a song when nothing is playing. For the latest releases, a long press (~2 seconds) will START and STOP AutoPlay. The secondary function of this button is used within the **setup menu** which follows. The setup menu is accessed by pressing the 'select' button for at least 5 seconds. After the instruction, which will be displayed for a few seconds, subsequent settings will be shown to be modified. Pressing the button will change the value of the item, waiting will show the next configuration item.



Tools: This menu choice will allow system updates, reset values, restart and a measure/listen utility mode.

"RESTART" will restart the device. Selecting "DEFAULTS" will set values of settings back to factory defaults.

Choices: **NO, RESTART, DEFAULTS, UPDATEMODE, LISTEN, (SPOTIFY).**

Wallbox In: This will configure what input signal is detected by the board, the type of wallbox the board is connected to. Compatible choices: **NONE, MP3, Sb_3W1, Sb_3W100, Sb_3W160, Sb_3WA, Sb_SC1, Seeburg_DEC, Seeb_DEC-direct, Ami_W40, Ami_W80, Ami_W120, Ami_W200, Roc_1544, Roc_1504, Roc_1555, Roc_1558, Wur_5207, Wur_5210, Wur_5220, Wur_5225, Wur_5250, Wireless.**

Volume: This will determine the output volume of the MP3 player (jack output and speakers). It can be adjusted from 0 to 24, suggested is 20. Choices: **0...24.**

Equalizer: This will select one of the available equalizers (jack output and speakers), the best choice is BASS or POP. Choices: **FLAT, POP, ROCK, CLASSIC, BASS (and depending on release, boost options)**

AutoPlay_number: If selecting this number with the buttons, (1=A1 etc.) autoplay starts and plays random songs until selected again. **0, 1 ... 160, 200 (default is 0, off)**



Control_mode: determines the function of the additional on-board relay: **NONE, JBCANCEL, WBCOIN, WBCREDIT, SELECT_LAMP, ON-OFF (default is NONE)**. The “**SELECT** mode” can enable the “Make selection” lamp in the wallbox.

Use_Open_WiFi (only if WiFi is enabled) (0,1): when 1, will scan for open SSID and connect if available (default is 0, off).

Note: For some earlier player versions, more settings were possible. It is suggested to leave them on the default. “**Player_out**”/”**Jukebox_out**” (depending on release) must be set to “MP3”. For other selections, it will send out a pulse to a connected jukebox or wireless receiver. Other advanced settings can be changed when there is an optional second SD card slot available (configuration settings with WiFi and other options).

The WallboxPlayer in the wallbox (or an enclosure) has the following functionality:

- Press the “Select/Cancel/Setup button on the board or the connected button mounted in the wallbox to test if song will start. Press again to cancel.
- Make selection on the Wallbox with keys A-V (or A-K), 1-8 (or 1-10). Note that if keys cannot be pushed, freeplay or credits are not enabled, this needs to be fixed in the wallbox first. The rotor will now start and send pulses to the WallboxPlayer. After selection, the selected song will start. On DEC, the speaker relay will be enabled after the first keys selection.
- For AMI Wallboxes, the letters (A,B,...) are the FLIP PAGES, the numbers (1-20) are the BUTTONS.
- Songs can be selected on the wallbox, play will start after selection or when a song is playing, song will be added to the queue (up to 20 songs in a queue).
- If a song is playing, the ‘select’ button will cancel the song (and play next in queue)
- If no song is playing, pressing the ‘select’ button will add a random song to the queue
- After choosing the **AutoPlay** number/selection (e.g. **160selects:V8, DEC:#279, 200selects:V0, 100selects:K10 or K0 – depending on wallbox type**), random songs will automatically be added and played (even songs on the SD beyond the selection limit of 100, 160 or 200 – see instructions further below for how to do this.), select AutoPlay number again to switch off the function



Nr. (setting)	3W1/3W100	3W160/SC1	3WA	DEC
0	No autoplay	No autoplay	No autoplay	No autoplay
1	A1	A1	A1	100
2	B1	B1	B1	200
100	K10/K0			
159	-	U8		179
160	-	V8		279
199	-	-	U0	-
200	-	-	V0	-

- **Pairing Bluetooth (option) – red Bluetooth board LED:**

- When paired and connected, the LED blinks twice at ~5 sec interval.
- When idle and unpaired the red LED flashes slowly (~1sec interval).
- In pairing mode, the red LED will blink slowly (at ~2sec interval).

Short-Press the button for unpairing. To pair with a Bluetooth device, ensure it is not paired (with other device), put your Bluetooth speaker in pairing mode and press (2sec) the pair button, the red led will blink slowly (at ~2sec interval) and start pairing. For more information look at the KCX BT module documentation.



Downloading MP3's if not already available on your PC, you can use YouTube to find a song, copy URL with right click and past in a mp3 converter (e.g. <https://ytmp3.la/en-yMP0/>). Download and then copy on a FAT32 formatted microSD card, one after the other.



(Re)loading songs, playing more than the selectable songs and making listing

The music files are stored on a micro-SD card. Ensure the card is clicked in. The microSD card must be formatted as FAT32 (max 32GB)! The number of music files can be as many selections as the wallbox can select. The best place for the files is in the root folder of the card. When copying files from the PC onto the SD card, Windows WILL hustle the order of the files/selections. A foolproof way to get the numbering and order right is as follows:



- Format the SD card (FAT32)
- Copy files from computer to SD with drag and drop, one at a time starting with the first one
- Wait until each file is copied, then copy the next (every time just one at a time)

This way, windows will not change the order as every file can only be added and has a later timestamp than the previous one.

```
F:\>DIR /B /A:-D *.MP3 > SONGS.TXT
F:\>type songs.txt
Louis Armstrong - What A Wonderful World.mp3
Elvis Presley - Jailhouse Rock.mp3
Chuck Berry - Roll Over Beethoven.mp3
Tom Jones - It's Not Unusual.mp3
Beatles - Yesterday.mp3
Bill Withers - Ain't No Sunshine.mp3
Beatles - Eleanor Rigby.mp3
James Brown - It's A Man's Man's World.mp3
Charles Aznavour - She.mp3
Frank Sinatra & Count Basie - Fly Me To The Moon.mp3
```

The best way to get a matching listing of the order of the songs on the SD, use DOS command:

DIR /B /A:-D *.MP3 > SONGS.TXT

This creates a file **SONGS.TXT** that can be read and use for song titles (on config SD).

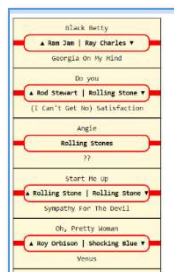
A feature is that the WallboxPlayer will also play songs that go beyond the selectable numbers (100/160/200). This is great for random and continuous play and hearing songs other than the ones on the labels. For this, you can add extra song files or place them in an extra folder (after having put the selectable songs on the SD) and simply fill it with the songs you want to hear in random play mode. In picture, the folder "extra songs" contains (up to ~999) songs.

Name	Status	#	Title
Extra songs	●		
Elvis Presley - Jailhouse Rock.mp3	●	380	Jailhouse Rock
Chuck Berry - Roll Over Beethoven.m...	●	1965	Roll Over Be
Tom Jones - It's Not Unusual.mp3	●	2066	It's Not Unus
Beatles - Yesterday.mp3	●	18	Yesterday
Bill Withers - Ain't No Sunshine.mp3	●	654	Ain't No Sun
Beatles - Eleanor Rigby.mp3	●	236	Eleanor Rigby

WallboxPlayer with a 2nd config and songs SD card option (Software V11.1 and up)

For configurations with a second SD card, song titles can be read/stored and displayed (also web browser). To generate song labels from the MP3/WAV filenames, insert the **MUSIC SD** (with MP3/WAV's) in the 2nd SD slot and (re)start the device (off/on). Files **SONGS.TXT**, **PRINT.HTML** and **LABELS.HTML** are generated on internal storage and music SD. The file **SONGS.TXT** can be copied to the computer, edited to your liking using **NOTEPAD** (not WORD / WORDPAD), and saved on the configuration SD card (2nd SD slot) for song listing. The HTML files can be simply edited/corrected by clicking and editing, before printing. When ready, insert music SD-card in the blue player SD slot again.

Name	Date modified	Type	Sta
config.json	3/26/2024 18:18	JSON File	●
Config.txt	12/1/2023 19:40	Text Document	●
songs.txt	3/23/2023 15:04	Text Document	●



```
Nr= Label, Song
160: V8: AUTOPLAY ON/OFF
001: A1: Ram Jam - Black Betty
002: B1: Ray Charles - Georgia On My Mind
003: C1: Rod Stewart - Do you
004: D1: Rolling Stones - (I Can't Get No) Satisfaction
005: E1: Rolling Stones-Angie
006: F1: Rolling Stones - ??
007: G1: Rolling Stones;Start Me Up
008: H1: Rolling Stones - Sympathy For The Devil
009: J1: Roy Orbison - Oh, Pretty Woman
010: K1: Shocking Blue - Venus
011: L1: Simon & Garfunkel - Bridge Over Troubled Water
012: M1: Simon & Garfunkel - The Sound Of Silence
013: N1: Soft Cell-Tainted Love
014: P1: Status Quo In The Army Now
015: Q1: Status Quo Roll Over Lay Down
016: R1: Status Quo - Whatever You Want
017: S1: Steppenwolf - Born To Be Wild
018: T1: Stevie Wonder - Isn't She Lovely
```

More information and complete installation manuals can be found on the website.