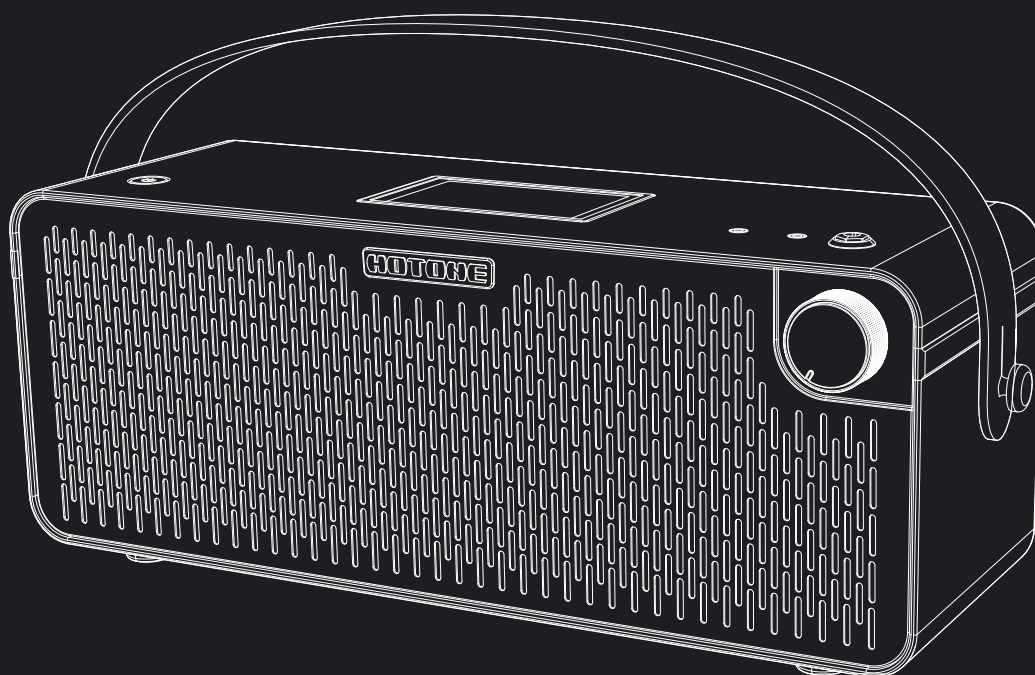


PULSE

Bluetooth Modeling Amplifier

USER'S MANUAL

For Firmware V1.2.0



HOTONE
DESIGN INSPIRATION

※ In the interest of product improvement, the specifications and/or the content of products (including but not limited to appearances, packaging design, manual content, accessories, size, parameters and display screen), are subject to change without prior notice. Please check with local supplier for exact offers. Specifications and features (including but not limited to appearances, colors and size) may vary by model owing to environmental factors, and all images are illustrative.

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Welcome

Thank you for purchasing a Hotone product.
Please read this manual carefully to get the most out of your Pulze.
Please keep this manual in a safe place for further reference.

Precautions

PLEASE READ CAREFULLY BEFORE OPERATING THE DEVICE.
Please keep this manual in a safe place for future reference.
Please always follow the basic precautions listed below.
These precautions include, but are not limited to, the following:

Definition of intended use

Power supply & power cord

Please check the voltage specification on the device or device power adaptor match your power supply network.
Please be sure to use the device just with an adequate power supply, such as original supplied power adaptor.
When using a 3rd party power adapter, please make sure the power adapter fits the device's power requirement. Use of an adapter other than that specified could damage the unit or cause malfunction and pose a safety hazard, such as incorrect polarity would cause the fire hazard.
Hotone will not be responsible for physical injury to you or others, or damage to the device or other property.
When disconnecting the adapter from an outlet, please always pull the connector itself. Pulling the cord will cause damage to the unit.
Make sure to separate the power adapter and store in a safe place.
Please remove the electric plug from the outlet when the device is not to be used for extended periods of time, or during electrical storms.
Please be sure to connect to an appropriate outlet with a protective grounding connection.

Do not open

This device contains no user-serviceable parts. Do not open the device or attempt to disassemble the internal parts or modify them in any way.
Opening the case may expose you to dangerous voltages, or other hazards.
Opening the casing or performing self-repairs on this device will result in the loss of the warranty eligibility for this device.
If it should appear to be malfunctioning, please discontinue use immediately and contact our service team.

Water warning

Do not expose the device to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the device, turn off the power immediately and unplug the power cord from the AC outlet.
Please never insert or remove an electric plug with wet hands.

Fire warning

Please do not place any burning items or open flames near the device, since they may cause a fire hazard.

Electromagnetic fields warning

Please avoid operating the device within significant electromagnetic fields. Failing to do so may result in noise, device malfunction, or even loss of data etc.

Hearing loss

Please avoid setting all volume levels to their maximum, specially with using headphones. Depending on the condition of the connected devices, doing so may result in feedback that can cause hearing loss and damage the speakers or headphones.
Before connecting the device to other devices, please turn off the power for all devices. Also, before turning the power of all devices on or off, please make sure that all volume levels are set to the minimum. Failing to do so may result in hearing loss, electric shock, or device damage.

Location

Please keep away from children, or be accompanied by an adult. The following may cause choking hazard.

- Swallowing of small parts.
- Plastic covers and other packaging material.

While using, please do not cover the device with any cloth, or block any jack of the device.

The device and power supply will become warm with extended use.

Please avoid using the device in any of the following conditions that could cause malfunction:

- Extremely hot or cold places
- Sandy or dusty places
- Contact with corrosive gases or salt air
- Places with extreme vibrations

Before moving the device, please be sure to remove all connected cables, and power adaptor.

Depending on the material and temperature of the surface on which you place the device, its rubber feet may discolor or mar the surface.

Maintenance

Please remove the power plug from the AC outlet while cleaning the device.

Please use a soft cloth to clean the panels if they become dirty. If necessary, slightly moisten the cloth.

Never use cleansers, wax, or solvents such as paint thinner, benzene or alcohol.

Operation

Please do not apply excessive force to the knobs, switches, jacks, and other controls.

Please do not apply excessive force to the screen (if applicable) or casing, which may cause malfunction.

Please do not expose the unit to strong impact or drop it.

Please do not place foreign objects (liquid or solid) into the device.

Malfunction

If any of the following problems occur, immediately turn off the device and disconnect the electric plug from the outlet.

- The device is dropped or damaged.
- The power cord or plug becomes frayed or damaged.
- The power adaptor malfunction.
- Unusual smells or smoke are emitted.
- Some object has been dropped into the device.
- There is a sudden loss of sound during use of the device.
- Cracks or other visible damage appear on the device.
- The device has other obvious signs of malfunction (e.g. can not turn on, knobs can not work, volume is too low, etc.)

Then please contact our service team.

About disposal

While disposing of this product, please take them to applicable collection points, for proper treatment, in accordance with your national legislation.

Disposal of the packaging material



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Please do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling.

Disposal of your old device



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE Directive - Waste Electrical and Electronic Equipment) as amended from time to time version.



Observe the disposal note for documentation in France.

Disposal of batteries



Batteries must not be discarded or incinerated, but disposed of in accordance with local hazardous waste disposal regulations.

Service Contact

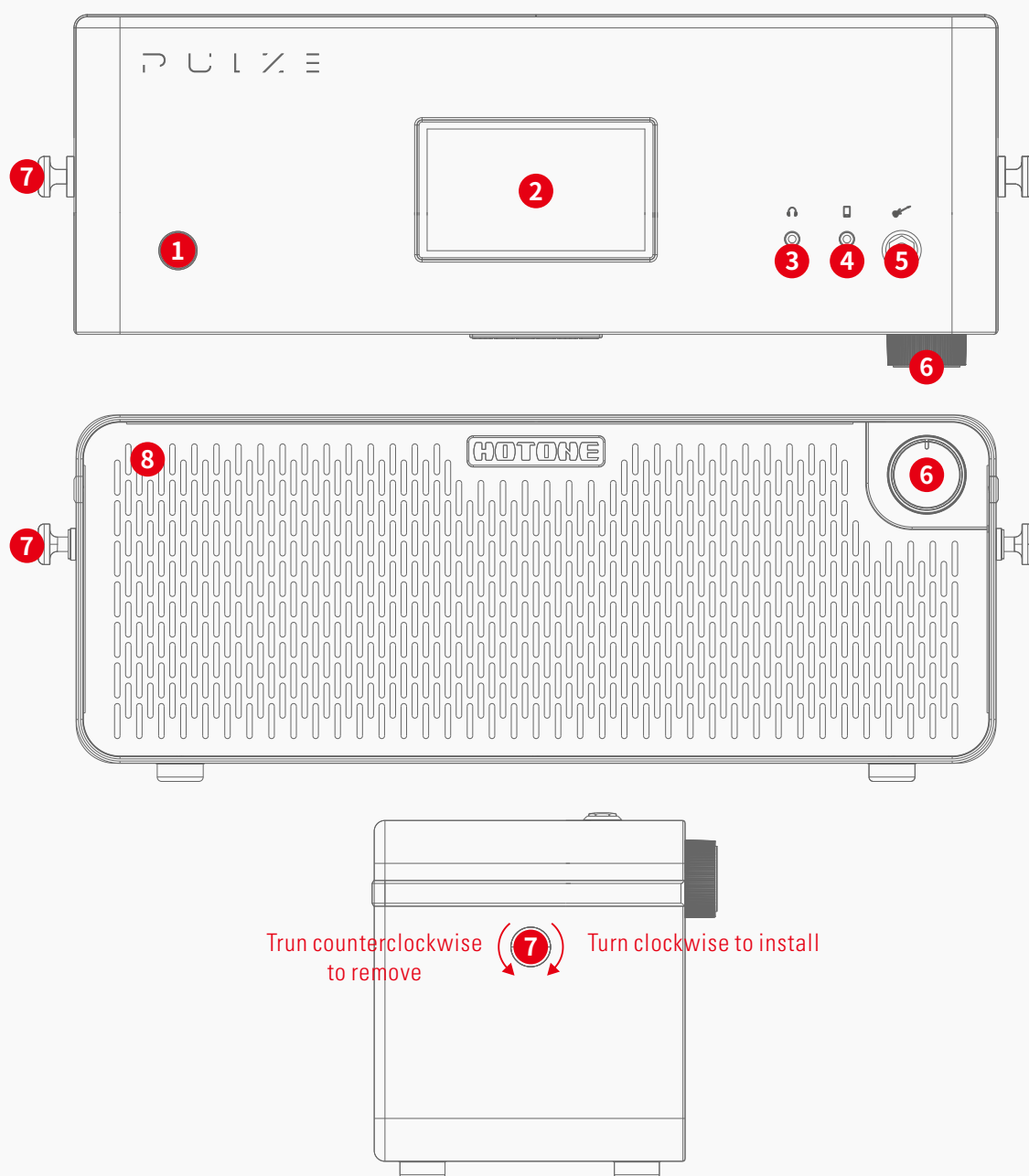
Please prepare information including the model name, serial number, specific symptoms related to the malfunction, your name, address and telephone number, etc.

You can contact the store where you bought the device, or contact Hotone support (service@hotoneaudio.com)

Please use this device according to the manual provided. Any other use, as well as use under other operating conditions, is considered improper use.

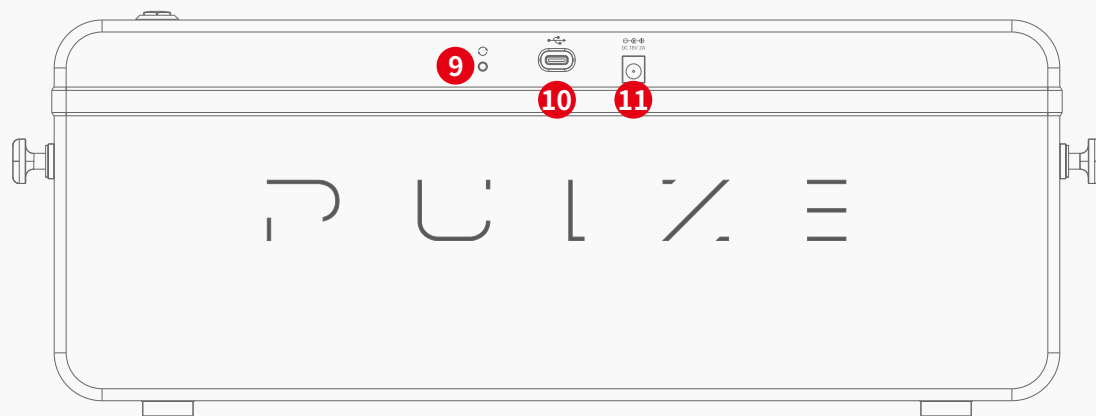
Hotone cannot be held responsible for damage caused by improper use or modifications to the device.

Panel



- 1. Power Button:** Hold to turn the unit on/off.
- 2. Screen:** Displays unit current status. Use the touchscreen to select tones, turn on/off Bluetooth, make tone adjustments, etc.
- 3. Phones Jack:** 1/8" stereo output for connecting headphones. When plugged in, the speaker output will be MUTED.
- 4. Aux In Jack:** 1/8" stereo input for connecting external devices (phone, MP3 player) for practice and jamming.
- 5. Input Jack:** 1/4" mono input connection for guitar or other instrument.
- 6. Volume Knob:** Adjusts the overall output volume.
- 7. Strap Button:** Screw-in strap buttons for installing attached strap.
- 8. Atmosphere Lights (under front mesh):** RGB lights for ambient lighting (colors will vary according to theme settings) and indicating Bluetooth connection.

Panel

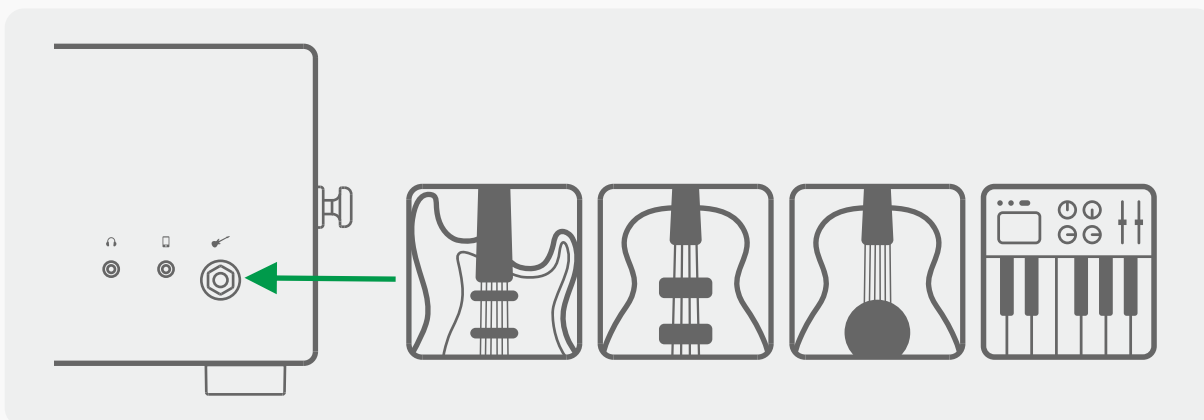


- 9. Update button:** Hold this button while powering on to enter firmware update mode.
- 10. USB Jack:** USB 2.0 Type-C jack for connecting to computers/phones. We recommend to use with an OTG cable when connecting phones/pads.
- 11. Power Jack:** For plugging in attached power adapter (DC 18V 2A center positive). For best result, please use the attached power adapter ONLY.

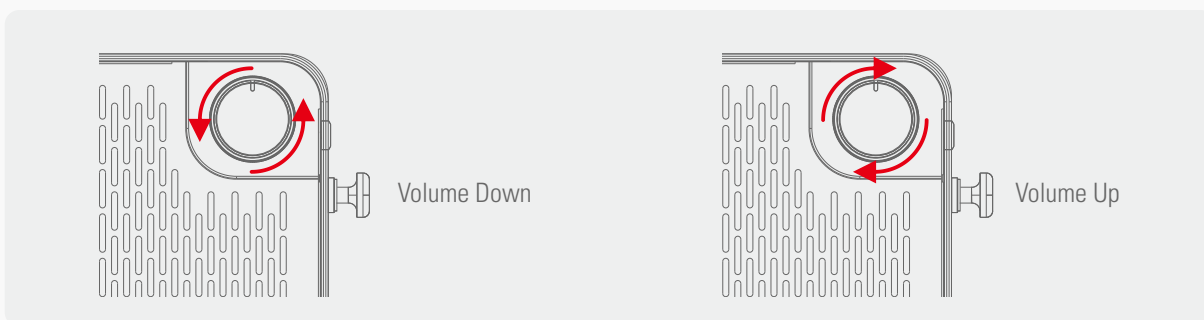
Quickstart

As An Instrument Amp

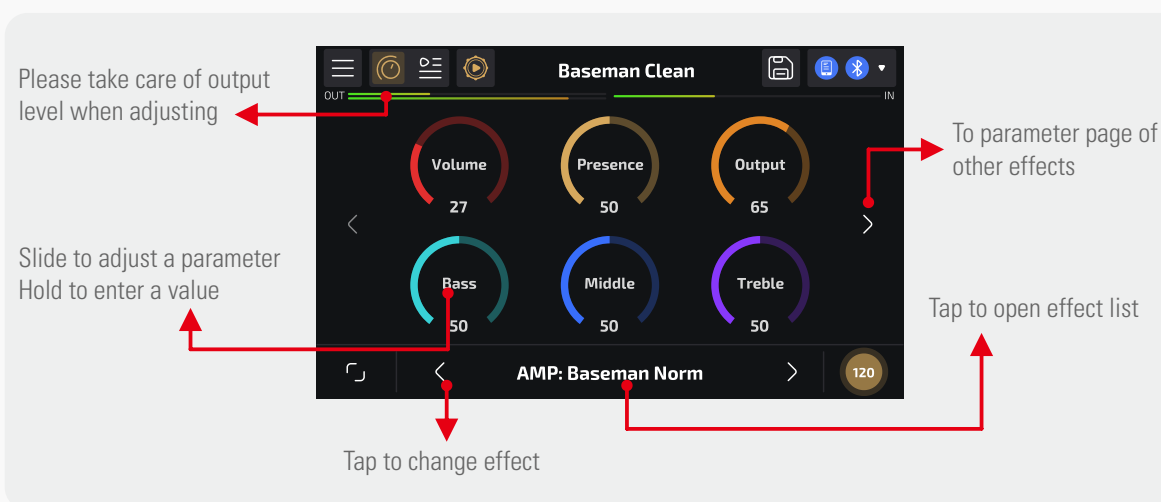
1. Connect your instrument (guitars, basses, etc.) to Pulse's input jack:



2. Turn the volume knob to minimum, connect the power adapter, hold the power button  to turn the unit ON . The screen, atmosphere lights and LED under power button will lit up to indicate the unit in on
3. Tune volume up depending on your needs:

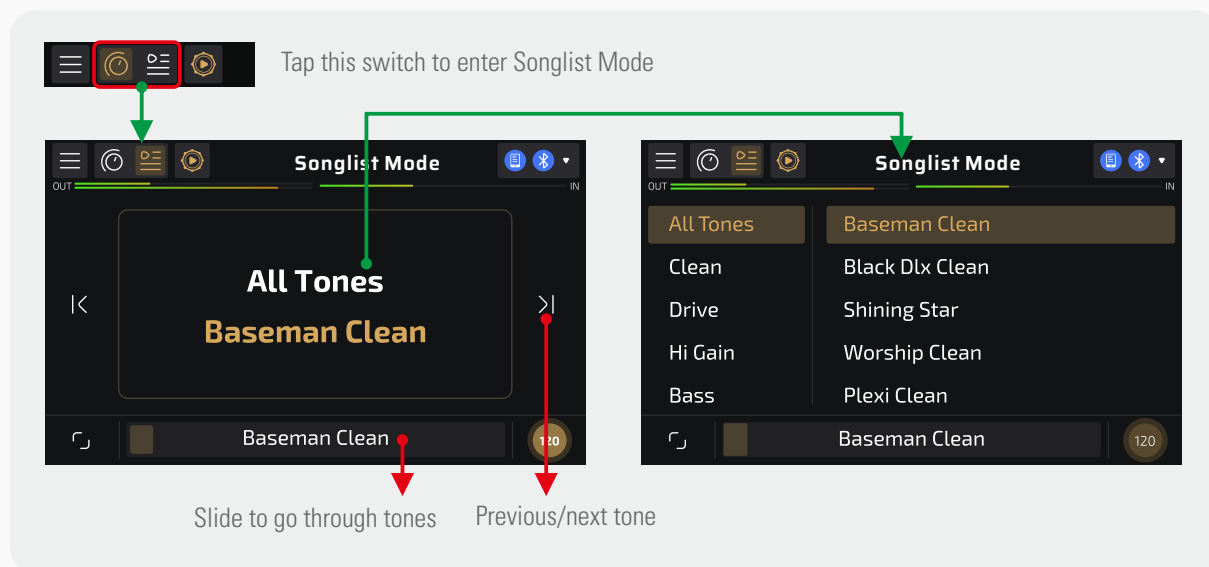


4. Adjust the parameters on the touch screen depending on your needs:



Quickstart

5. You can also choose a tone you like:



Songlist Mode screen display; operate as the instructions above

6. For further tone shaping, please download Pulze Editor via App Store (iOS/iPadOS) or directly download apk file on our official website (Android).

Music Listening via Bluetooth

1. Connect the power adapter, hold the power button to turn the unit ON.
2. The Bluetooth Audio indicator on the top right corner on your Pulze screen will flash:



Bluetooth Audio indicator flashes = Bluetooth audio waiting for connection

Turn on the Bluetooth switch on your phones/pads, find the device name containing "Pulze Audio" in the Bluetooth device list, then connect.

3. When connected, the Bluetooth indicator will be shown as below:



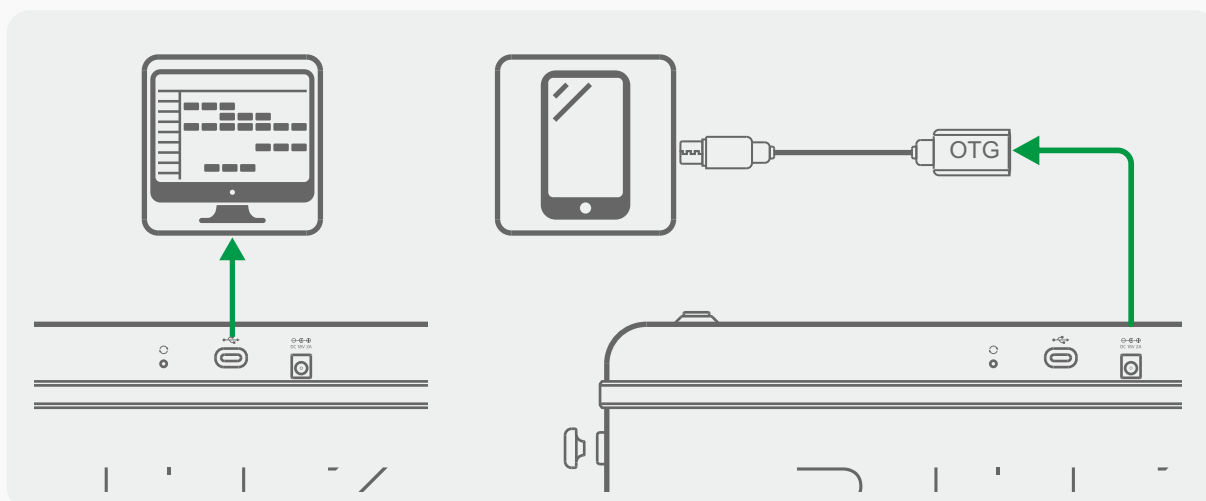
Bluetooth Audio indicator lit up = Bluetooth audio connected
Atmosphere light will breathe once to indicate Bluetooth connect successful

4. Play your favorite music!

Using USB Audio

1. Connect the power adapter, hold the power button to turn the unit ON.
2. Connect to your PC/Mac/Phones/Pads with the attached USB cable:

Quickstart



Before connecting to PC, please install Hotone USB ASIO driver first;
We recommend to use OTG cable when connecting to phones/pads

3. When connected to your PC/Mac, your Pulze will be recognized as an audio device named Pulze Audio. Please set it as your main audio device.
4. Play your favorite music!

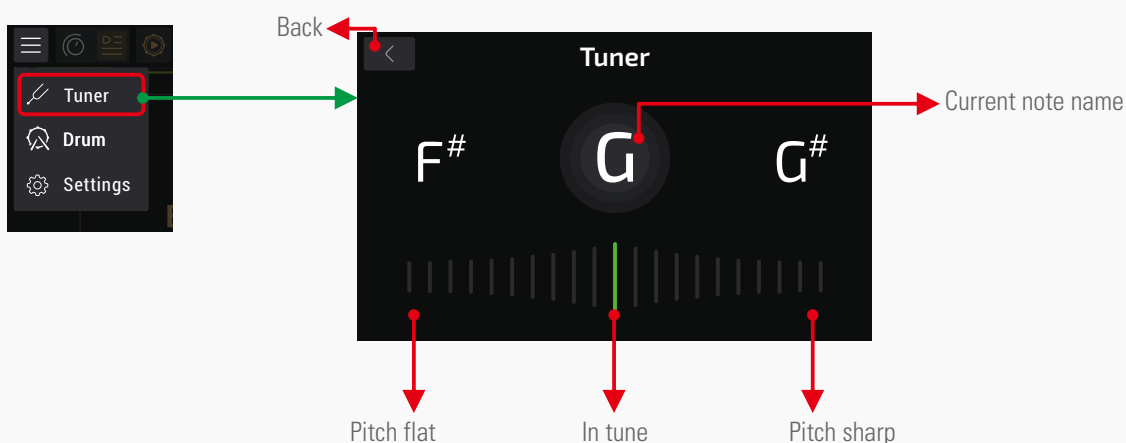
Please note:

1. For protecting your hearing, ALWAYS start tuning the volume knob at minimum position.
2. When tuning volume knob, please pay attention to the output meter on the screen to prevent signal clipping:



Tuner

Tap Menu (☰) icon on your Pulze's screen, then choose "Tuner" to enter Tuner menu:



The reference pitch (standard A frequency) is defaulted to 440Hz. You can set the reference pitch via Pulze Editor.

Quickstart

Drum

Tap  icon to start stop drum machine. This icon also indicates drum play/stop status:

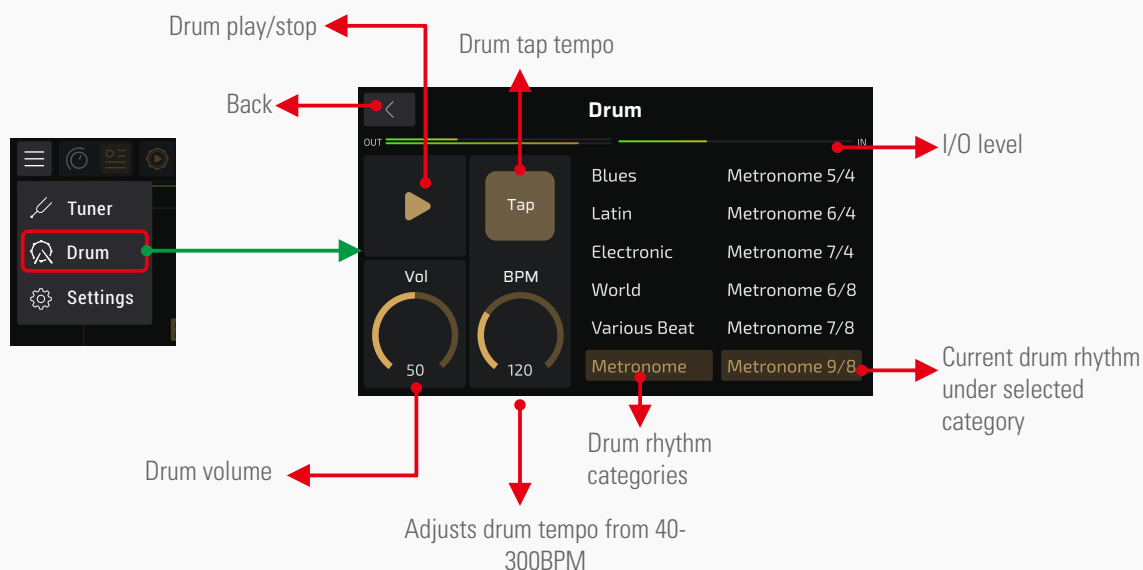


Drum stopped (tap to play)



Drum playing (tap to stop)

For detailed drum settings, tap  icon, then choose "Drum" to enter Drum menu:



You can refer to Drum List document for detailed drum rhythm patterns.

Play Mode And Songlist Mode

Pulze features two different modes: Play Mode (Default) and Songlist Mode.

- In Play Mode, you can choose different amp models and two effects (FX1, FX2 modules, including mod, delay, reverb effects, et al.). You can also adjust the effect parameters depending on your needs.
- In Songlist Mode, you can quickly go through tone library and find a tone you like.

Tap  icon to toggle between the two modes. This icon also indicates the current mode you're using:



Your Pulze is in Play Mode



Your Pulze is in Songlist Mode

Play Mode

The pic below shows the screen display and operation instructions in Play Mode.

Quickstart

Drum on/off

To Songlist Mode

Tap to access Tuner, Drum, and Settings menus

Slide to adjust a parameter
Hold to enter a value

To custom pane (See Page 12)

Tap to choose an amp/effect

Tap to open effects list

Effect categories

Hold any parameter to enter a value:

Bluetooth switch
Affects both audio and app connections

Save changes to current tone

Current tone name

Bluetooth audio volume

Bluetooth connection status

I/O leveling meter

To other effect parameter pages in the following order:
Amp - custom effects 1 (FX1, incl. mods, delays, reverbs, etc.) - custom effects 2 (FX2, same as FX1)
I/O leveling meter
Tap to choose an amp/effect
Tap to open effects list
Slide to adjust a parameter
Hold to enter a value

Tap Tempo; number indicates current tone speed
Hold to enter a value from 40-300BPM

Select any effect or tap any blank on the screen to exit effect list

Current effect under current category

Indicates current parameter under control

Customize parameter knob color ✓ indicates current selected color

Input box

Parameter value range

Use the numpad to enter parameter value
Tap "OK" to confirm
Tap "Cancel" to abort

Please note: When inputting a tempo value, you can't change the color of the Tap Tempo button.

Quickstart

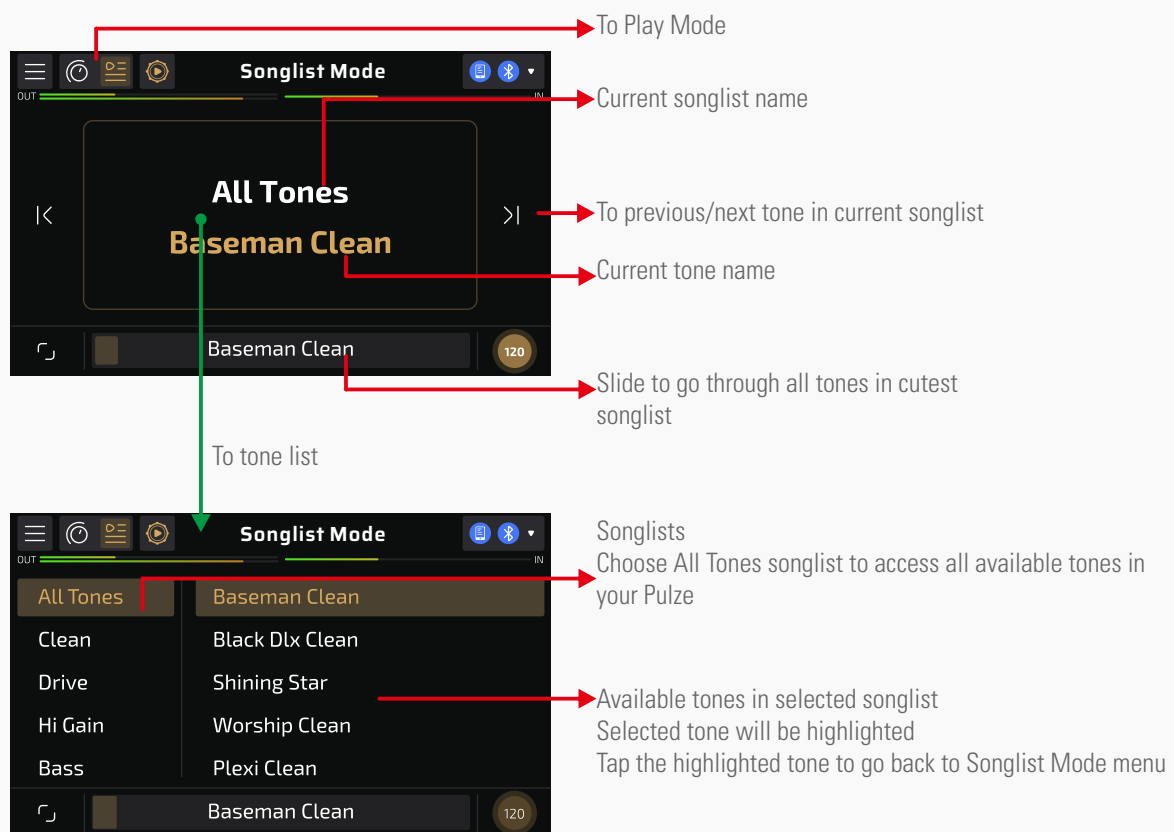
You can turn off FX1, FX2 modules by tapping on/off switch on dedicated page:



For detailed tone shaping (noise gate, pre boost, effect chain order, etc.), please use Pulze Editor on your phones/pads.

Songlist Mode

The pic below shows the screen display and operations in Songlist Mode (shows different operations only):

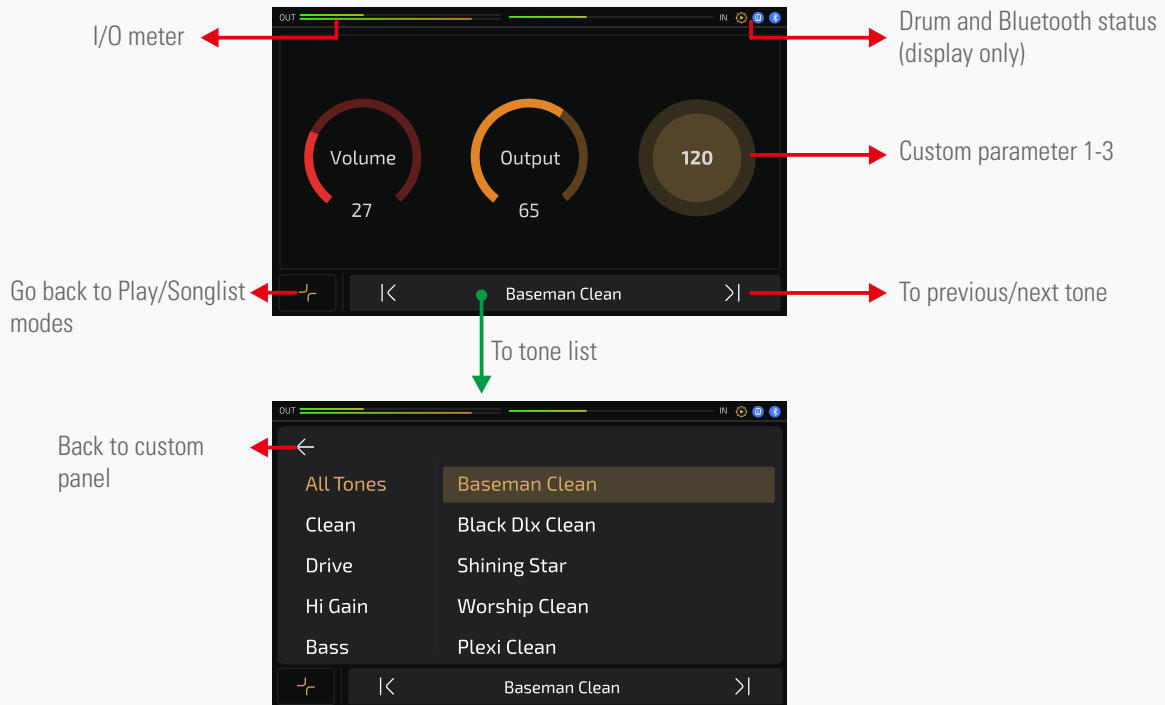


The All Tones songlist is a special songlist which allows you go through all available tones stored in your Pulze. For accessing all tones, you can also use Pulze Editor by tapping "My Tones" – "All Tones" buttons (see Page 23). For advanced songlist options (edit, upload/download, etc.) Please use Pulze Editor on your phones/pads.

Custom Panel

Pulze features a custom panel, you can gather frequently used parameters here for faster sound control.

Tap  button on bottom left to enter custom panel (shows different operations only):

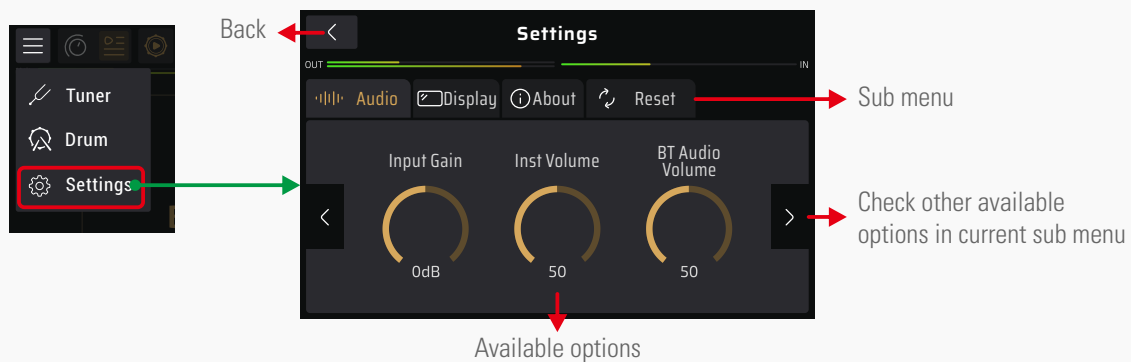


Pulze supports multiple custom panel templates and parameters. Please use Pulze Editor on your phones/pads for detailed settings.

Settings

In Settings menu you can access audio settings, customize current theme, execute factory reset, etc.

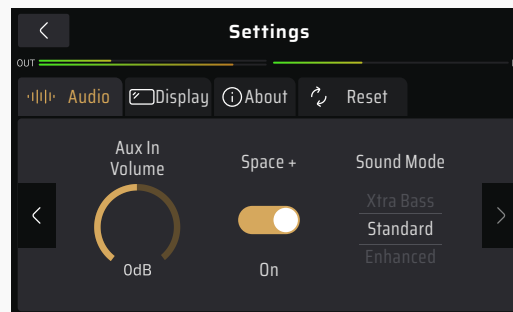
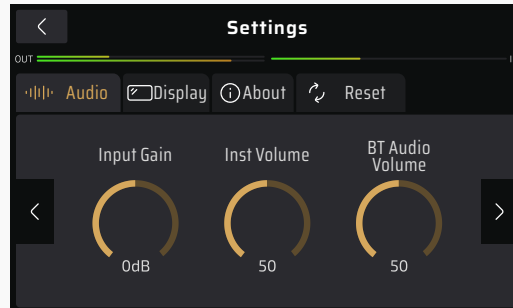
Tap  icon and then choose "Settings" to enter Settings menu:



Settings

Audio

You can set I/O volumes and turn on/off audio effects here.

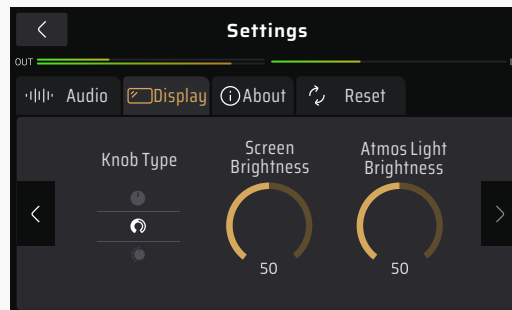
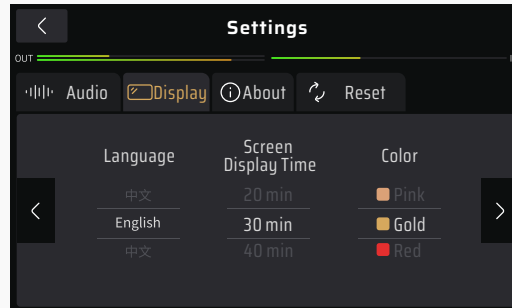


- Input Gain: Sets input gain from -20dB to 20dB depending on your instrument. Default is set to 0dB (unity gain).
- Inst Volume: Sets instrument output volume from 0-100. Default is set to 70.
- BT Audio Volume: Sets Bluetooth audio output volume from 0-100. Default is set to 100.
- Aux In Volume: Sets aux in output volume from 0-100. Default is set to 100.
- Space+: Turn on for soundstage enhancement, available for both instrument and audio outputs. Default is set to ON. For best experience, we suggest to use with stereo instrument effects (e.g. adding mod/delay/reverb) and high quality audio (e.g. lossless audio playback via Aux In jack/USB Audio). In some cases, if you're playing low quality audio files or some tracks which are not well mixed/processed, when you turn on Space+ switch, there might be some abnormal sound like abnormal phasing, extremely sharp highs, unexpected distortion, etc. In this case, please try to turn off Space+ switch first.
- Sound Mode: Selects from different EQ modes for music playback only. Default is set to Standard.

Settings

Display

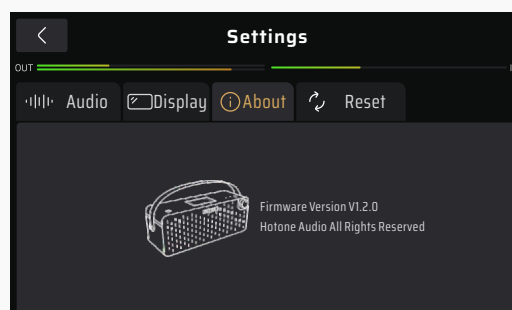
You can set up your Pulze's theme, UI language here.



- Language: Select system language.
- Screen Disp Time: Adjusts how long screen display lasts. Selections are Always On, 1 min, 5 min, 10 min, 20min, 30min, 40min, 50min, 60min. Default is set to 30min.
- Theme Color: Selects a system UI color; this will affect both screen display and atmosphere lights. Please note that when you choose a different system UI color, all customized knob colors will be replaced by theme color.
- Knob Type: Sets parameter knob patterns. This affects all parameters.
- Screen Brightness: Adjusts screen brightness from 0-100. Default is set to 80. For energy saving, the screen will go darker if you have no operation on your Pulze's screen for more 30 seconds.
- Atmos Light Brightness: Adjusts screen brightness from 0-100. Default is set to 75.

About

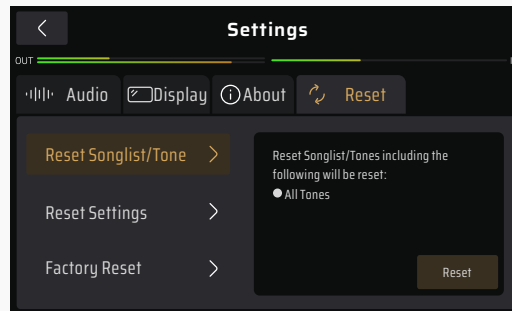
You can check Pulze's firmware version here.



Settings

Reset

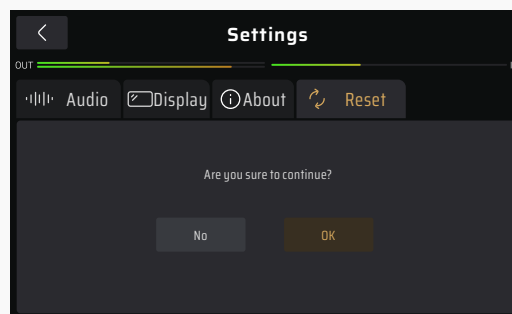
You can restore part of/all data to factory default here.



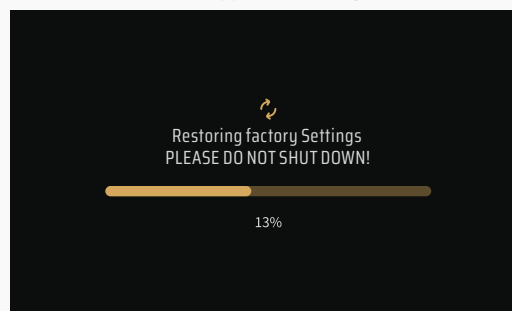
- Reset Songlist/Tone: Delete all user tones and restore to factory tones. User settings are not affected.
- Reset Settings: Reset all settings to factory default. Tones and songlists are not affected.
- Factory Reset: Performs a factory reset which deletes all user data and resets all settings.

Choose a selection depending on your needs.

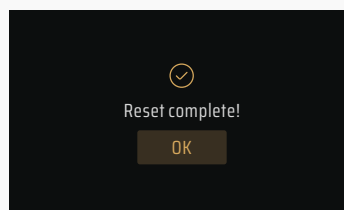
After pressing Factory Reset button, this display will come up with a warning. Pressing YES will perform the factory reset. Pressing NO will return to the previous menu.



After continuing with the factory preset, this screen will appear showing that reset is in progress.



When the factory reset is complete, this message will appear. Press OK to return to the main menu.



Please note:

1. Once it is executed, it cannot be undone, so please back up your settings with Pulze Editor on your phones/pads before performing a factory reset.
2. Do not disconnect the power supply while the reset is in progress. Disconnecting the power supply may cause your Pulze to malfunction.

Using Pulze Editor

For full access to your Pulze, please download Pulze Editor via hotoneaudio.com/support (Android) or App Store (iOS):

Connection

1. Turn on the Bluetooth switch on your phones/pads, then turn on your Pulze and launch the Pulze Editor app.
2. Login your account (optional).
3. On first use, Pulze editor will ask Bluetooth access permission (for some Android device, location permission will also be asked). When such permission requests popped up, please tap "Allow".
4. When your Pulze appears listed on the startup page (the app will automatically scan all nearby devices), select and tap the "Connect To The Selected Device" button on the screen. The Bluetooth App indicator  will stay solid to indicate a successful connection.



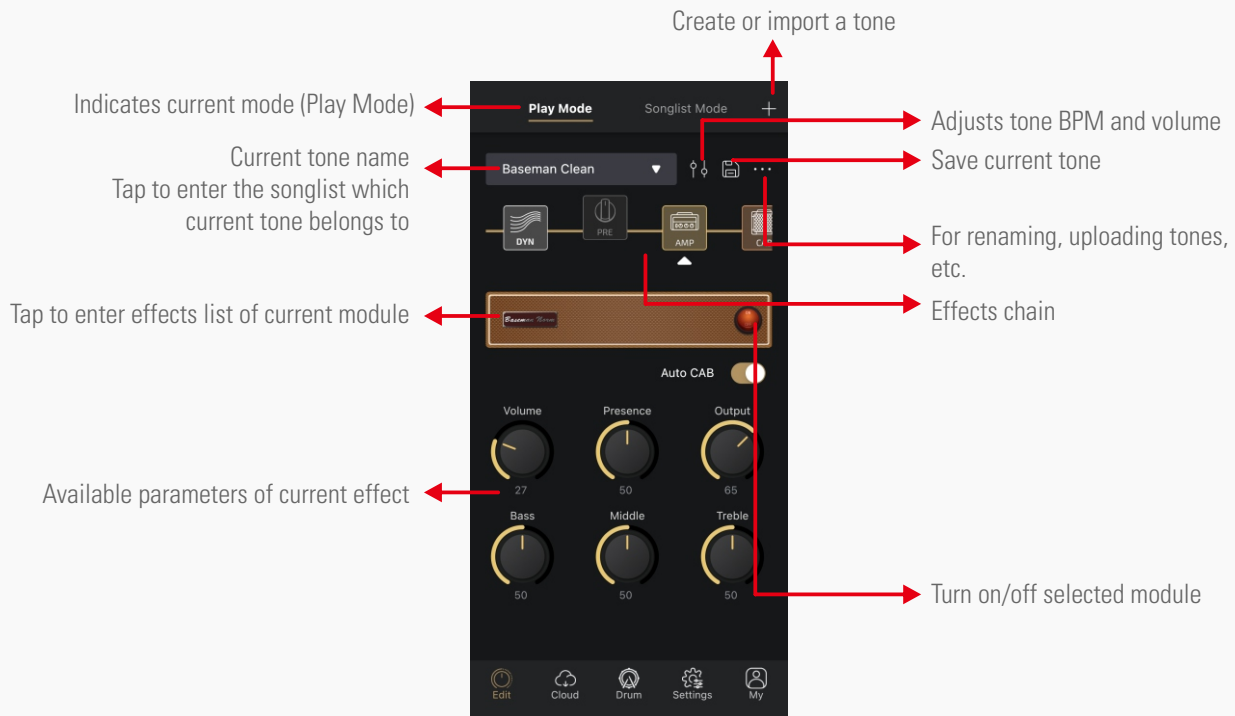
Please note:

1. You can enter offline mode if no device is found.
2. Ampere Control can only be edited by one device at a time. To connect to other device (or using Bluetooth MIDI control via bridge app), please disconnect current connection (see Page XX).
3. The default device name is Pulze BLE. You can customize your device name if needed.
4. If search failed (no device found or timeout), you can retry searching by manually tap "Search Again" button, or restart Bluetooth on your mobile device.
5. When using Bluetooth connection for editing or MIDI control, please keep your Pulze close to your phones/pads for best possible experience.

Using Pulze Editor

Advanced Tone Shaping (In Play Mode)

Pulze Editor will enter Play Mode when connected:



Using Pulze Editor

Effects Chain

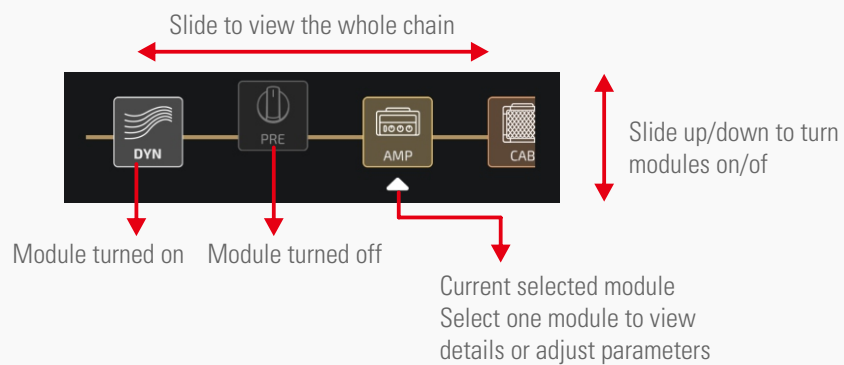
The **effects chain** of Pulze represents the inter signal flow, effect combination, etc.

The 7 effect units on the effects chain is called **modules**. You can pick the effects you need in the modules as listed below:

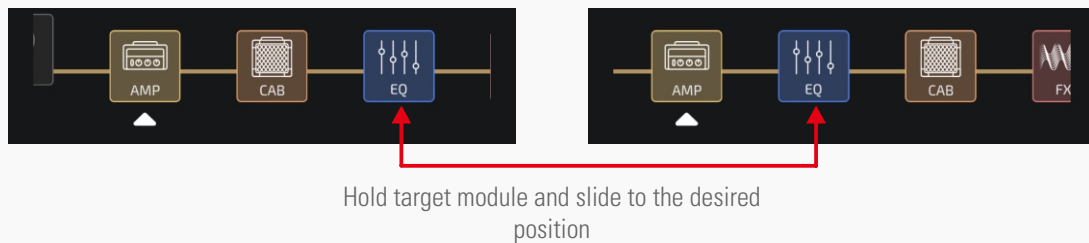
- DYN: Dynamic effects (e.g. noise gates, boosts)
- PRE: Pre-amplifier effects (e.g. compressors, boosts, mods, filters, octaves)
- AMP: Amp modeling effects
- CAB: Cabinet simulations and IRs
- EQ: Equalizers
- FX1/FX2: Custom effect modules including mods, delays, reverbs and more

You can adjust parameters of AMP, FX1, FX2 modules with Pulze's touch screen.

Effects chain operations are shown as below:



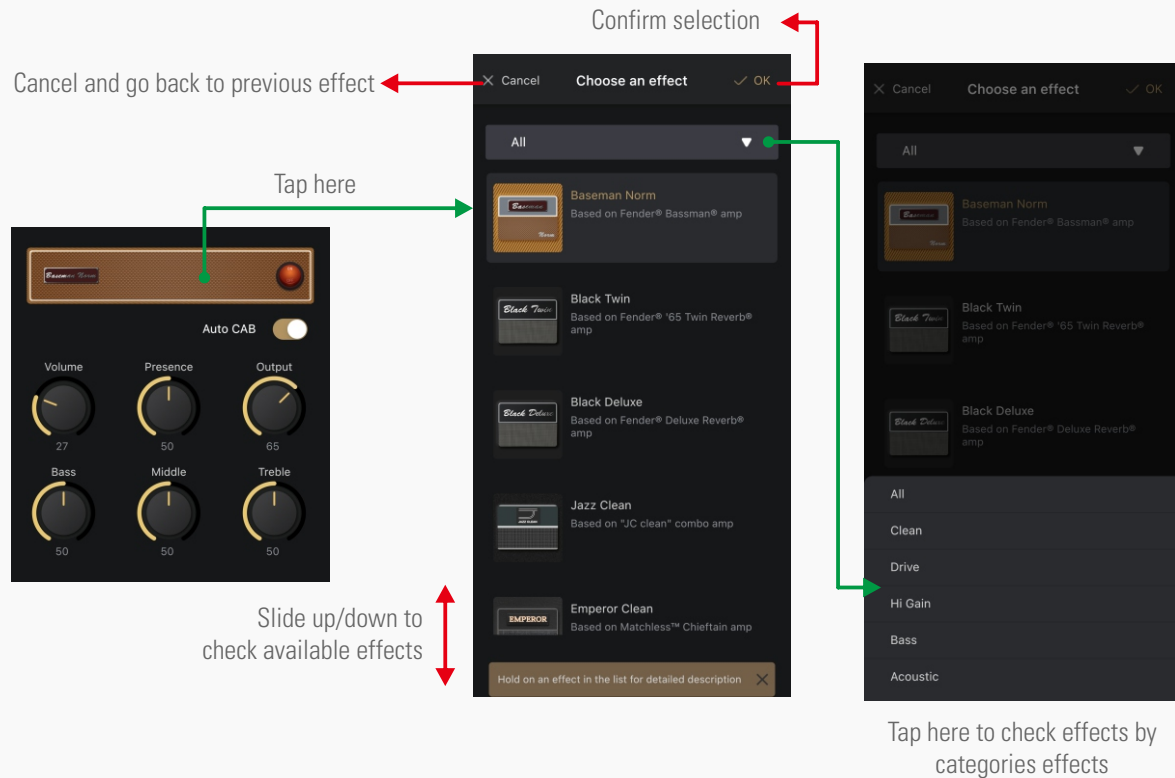
To swap module order, hold on one module and slide to desired position:



Using Pulze Editor

Change Effects

To change effects, please follow the operations below:

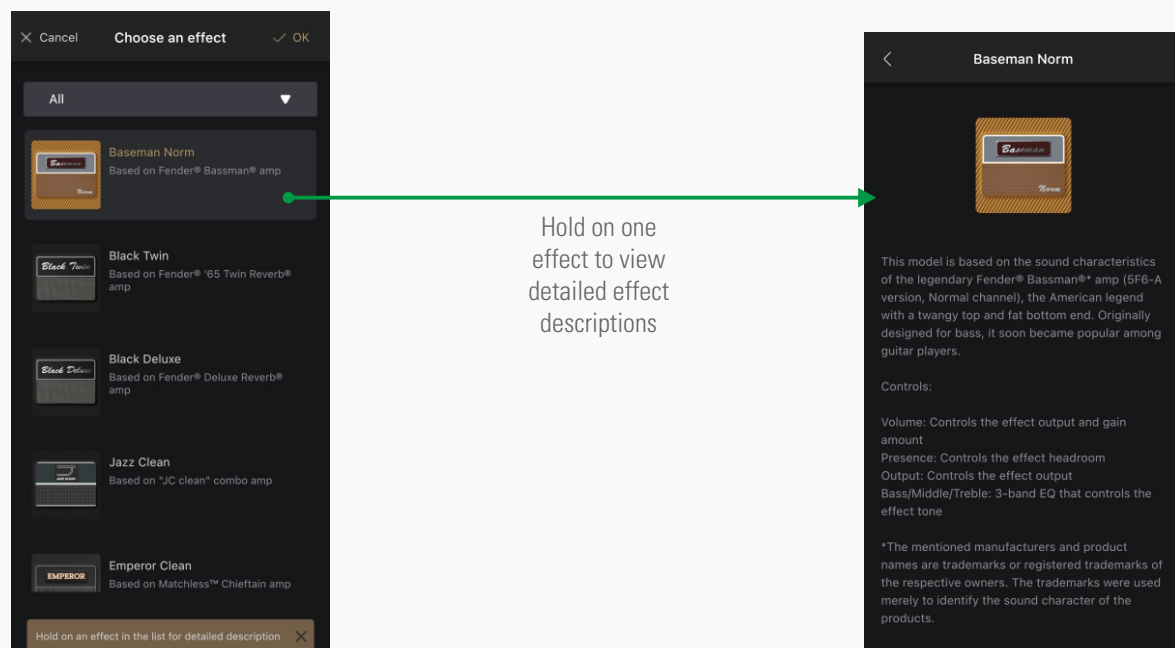


Adjust Parameters And Effect Descriptions

Like operations on Pulze's touch screen, you can slide on one effect parameter to adjust, hold to enter a parameter value. If one effect features more than 6 parameters, you can slide on the blank area of listed parameters to check them.

Pulze Editor gives you access to all effects/effect parameters.

Hold on one effect in the effect list to view detailed descriptions:



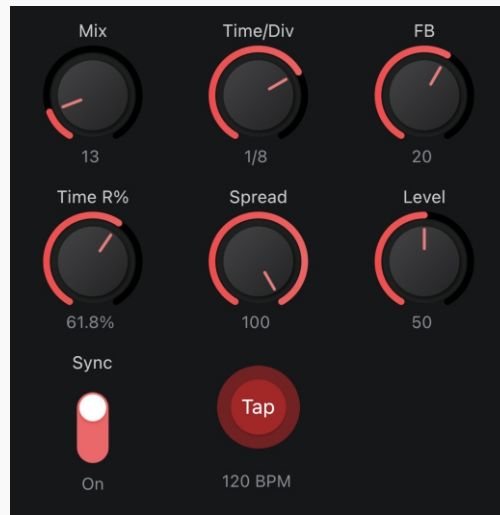
Here are some descriptions of some special switches/functions:

Using Pulze Editor

- Auto CAB (AMP module only)

The Auto CAB function will automatically help you match a cab when switching amps. Default is set to on. If you want to try different amp/cab combinations or using user IRs, please turn the switch off.

- Sync and Tap button



The function of Time/Div parameter varies depending on Sync switch:

Sync On: Controls tap tempo division value

Sync Off: Controls actual delay time (ms)

Turning on Sync switch means, the time-based parameters (like delay time, mod speed) will sync to the tap tempo value by some certain rates (tap tempo divisions). Sync function is defaulted to on.

The parameter names affected by Sync function (comes with a /Div suffix) means:

- Sync on: the parameter controls tap division value
- Sync off: controls actual parameter values in ms (delay time), Hz (mod rate), etc.

In most cases, default tap divide is set to quarter note (1/4, no divide).

Tap divide values in relation to their musical beats are shown below:

Time Value	Beats	Display
Whole note	4	1/1
Half note	2	1/2
Dotted half note	3	1/2D
Half note triplet	4/3	1/2T
Quarter note (no divide)	1/1	1/4
Dotted quarter note	3/2	1/4D
Quarter note triplet	2/3	1/4T
Eighth note	1/2	1/8
Dotted eighth note	3/4	1/8D
Eighth note triplet	1/3	1/8T
Sixteenth note	1/4	1/16

If you don't want specified division value, just keep it as 1/4.

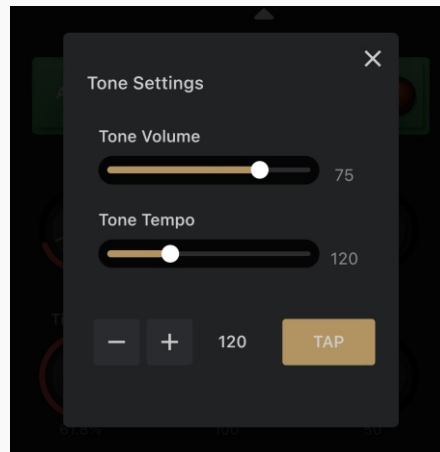
Using Pulze Editor

Tone Volume and Tempo

You can set tone volume to increase/decrease current tone output.

If you're using Sync function, you can adjust tone tempo to control time-based parameter value.

Tap  icon and operate in the pop-up menu:

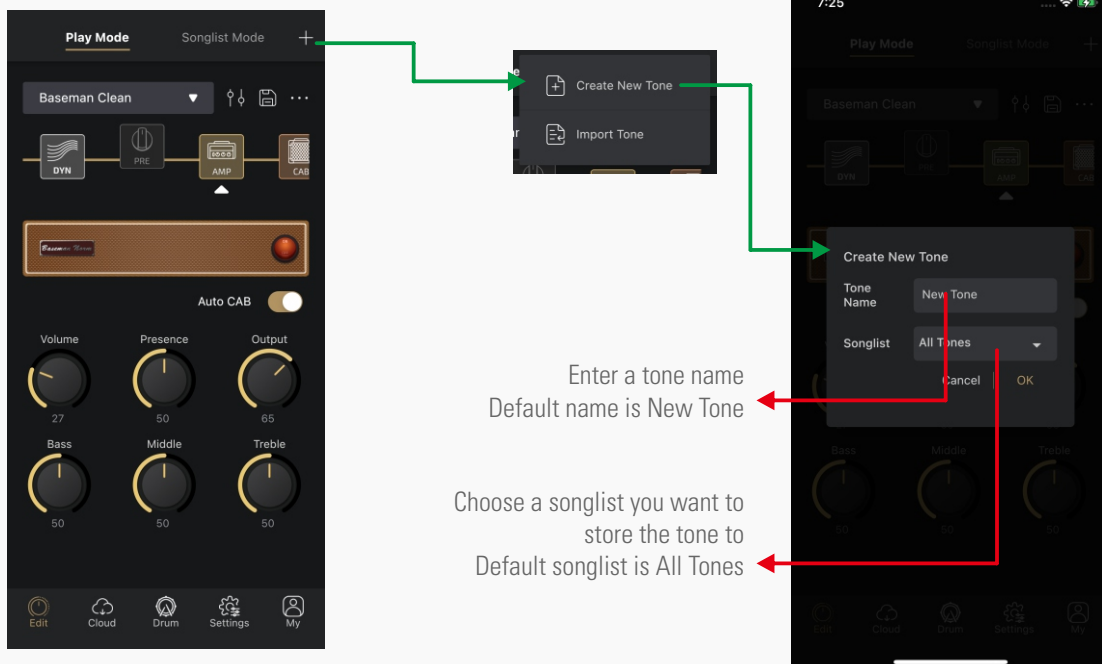


Slide to adjust – hold to enter a value
Volume range=0-100, Tempo range=40-300BPM
Use +/- and TAP buttons to fine tune tone tempo

Create A New Tone

You can start with an empty tone by creating a new tone.

Tap  icon and choose "Create New Tone":

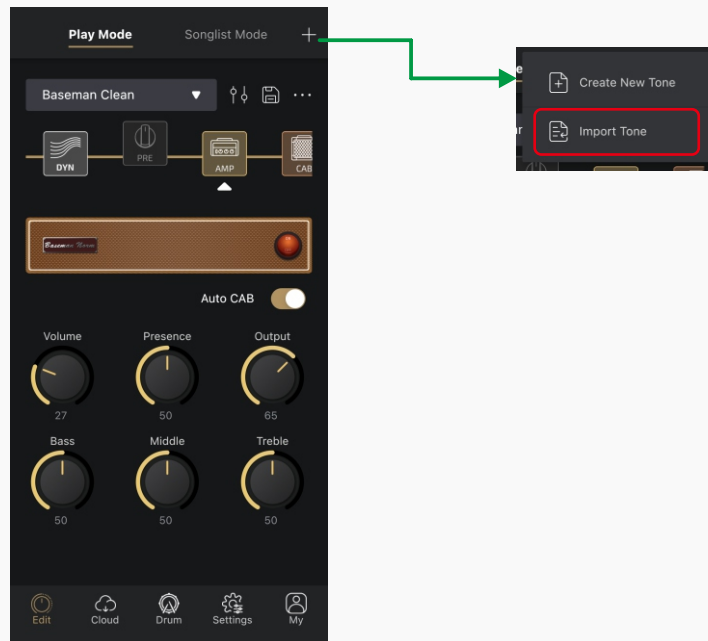


Using Pulze Editor

Import

Use Import function to import the tone files stored on your phones/pads.

Tap  icon and choose "Import":

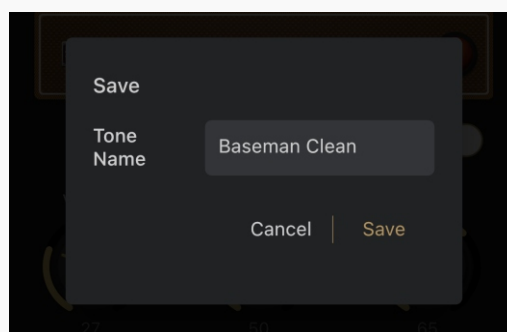


Then Pulze Editor will launch your file manager on your phones/pads, just choose the files you need (with .prst suffix) and import. The app will notice you if the files are not compatible with Pulze. Newly imported tones will be added to the end of All Tones songlist in alphabetical order.

SAVE

It is very important to save the changes you made to your tone!

Tap  icon and the save menu will appear:



Supports upper/lower case letters, spaces, numbers, ASCII symbols

Advanced Songlist Functions (Songlist Mode)

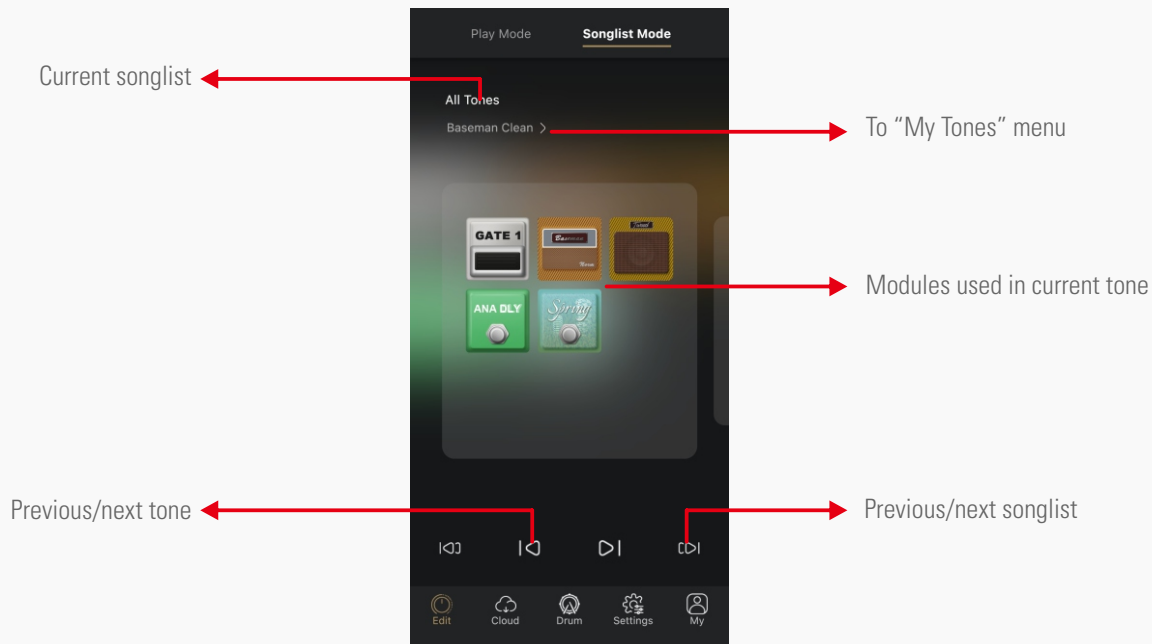
You can gather any tone you like to make a songlist. Pulze supports up to 40 songlists, each songlist can hold up to 50 tones. A tone can be stored to different songlists.

Tap "Songlist Mode" to enter songlist menu:

Using Pulze Editor

You can gather any tone you like to make a songlist. Pulze supports up to 40 songlists, each songlist can hold up to 50 tones. A tone can be stored to different songlists.

Tap "Songlist Mode" to enter songlist menu:

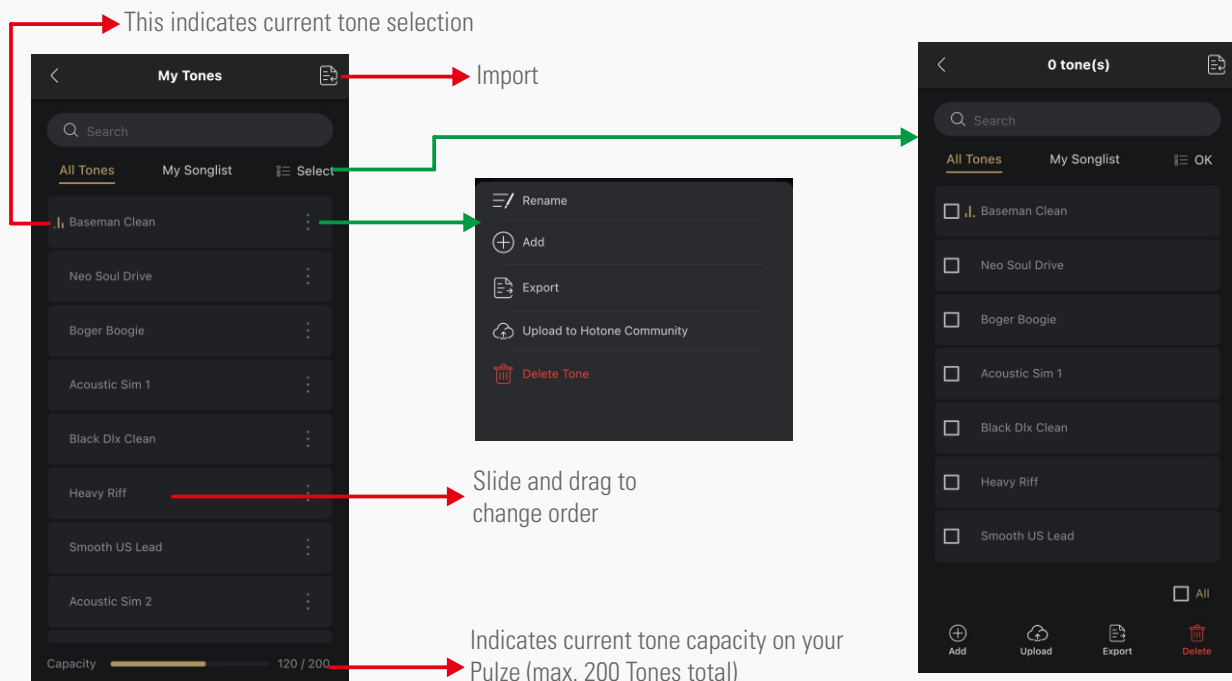


My Tones

In My Tones menu you can manage all your tones and songlists stored in your Pulze.

All Tones

Same as All Tones songlist, this menu allows you to access and manage all tones in your Pulze:



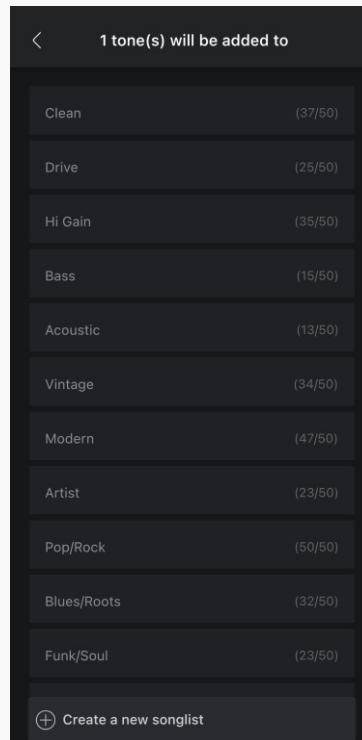
Using Pulze Editor

- Rename

Tap  icon on one tone and choose "Rename", then enter a new name in popped out menu.

- Add

Tap  icon on one tone and choose "Add", then choose a songlist in the following menu:



You can also create a new songlist and add the tone to it if needed.

- Export

Tap  icon on one tone and choose "Export". Pulze Editor will launch your file manager on your phones/pads. Choose a file location you need, and the tone will be exported as a file with .prst suffix.

For iOS users, when exporting, the file should be exported to Files/My iPhone/Pulze Editor/.

- Upload

Tap  icon on one tone and choose "Upload to Hotone Community". You need to register and log in to use upload function.

Using Pulze Editor

Upload to Hotone Community

Fields marked * are required

Product: Pulze V1.0.6

Tone Name: Baseman Clean

Include 1 file(s)

Tone Style: Rock

Instrument: Wooden guitar

Description: Please type in tone description

Song Title: Please type in song title

Band: Please type in band name

Artist: Please type in artist's name

Tags: Separated by commas

Upload an Image

Audio Demo link

Video Demo link

Privacy Setting: Public

Upload

Enter the messages depending on your needs following the instructions above; The items with * are required
For private data backup, you can set "Privacy Setting" to "Privacy"; In this case the tone you uploaded will be only visible by yourself

You can download uploaded tones in Cloud menu (see Page 27)

- Delete

Tap  icon on one tone and choose "Delete".

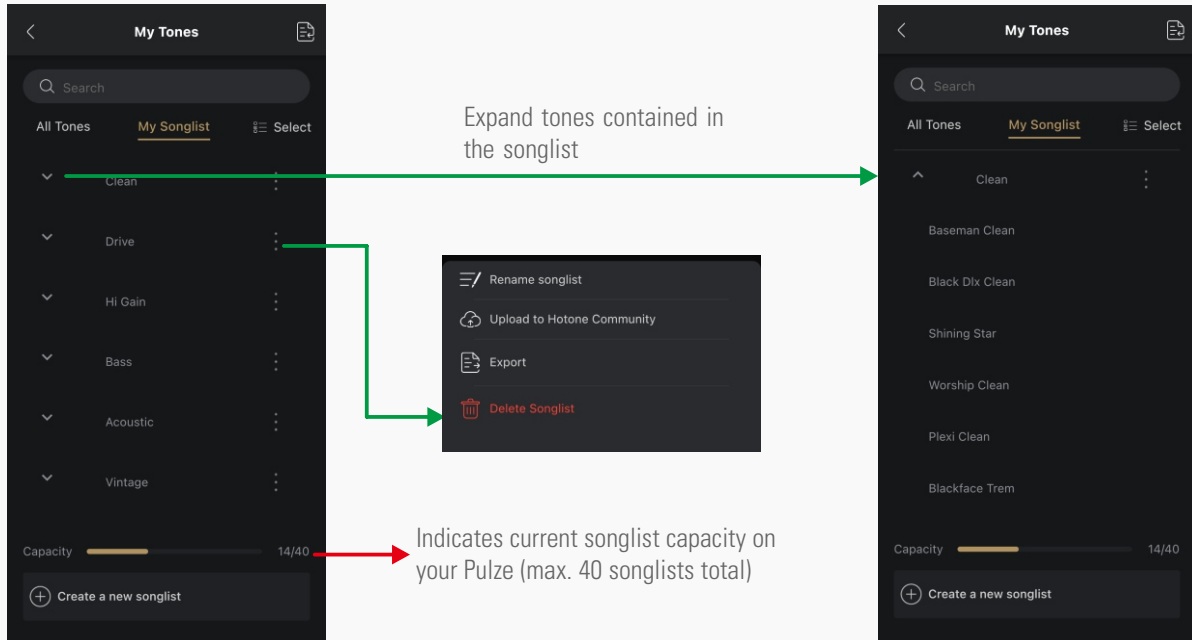
- Batch

Tap  Select button to select multiple tones for batch export, upload, delete, etc. with same operations above.

Using Pulze Editor

My Songlist

In “My Songlist” menu you can view and manage all songlists on your Pulze:



- Sort

Drag and drop one songlist to change its order.

- Upload

Tap  icon on one songlist and choose “Upload to Hotone Community”. In this case, all tones in the selected songlist will be uploaded to Hotone community. Same as uploading tones, this requires a Hotone account.

Export

Tap  icon on one songlist and choose “Export”. In this case, all tones in the songlist will be exported. Same as exporting one tone (see page xx), the file should be exported to Files/My iPhone/Pulze Editor/.

Delete

Tap  icon on one songlist and choose “Delete”. This deletes the songlist only; tones contained in the songlist are not affected.

Batch

Tap  button to select multiple songlists for batch export, upload, delete, etc. with same operations above.

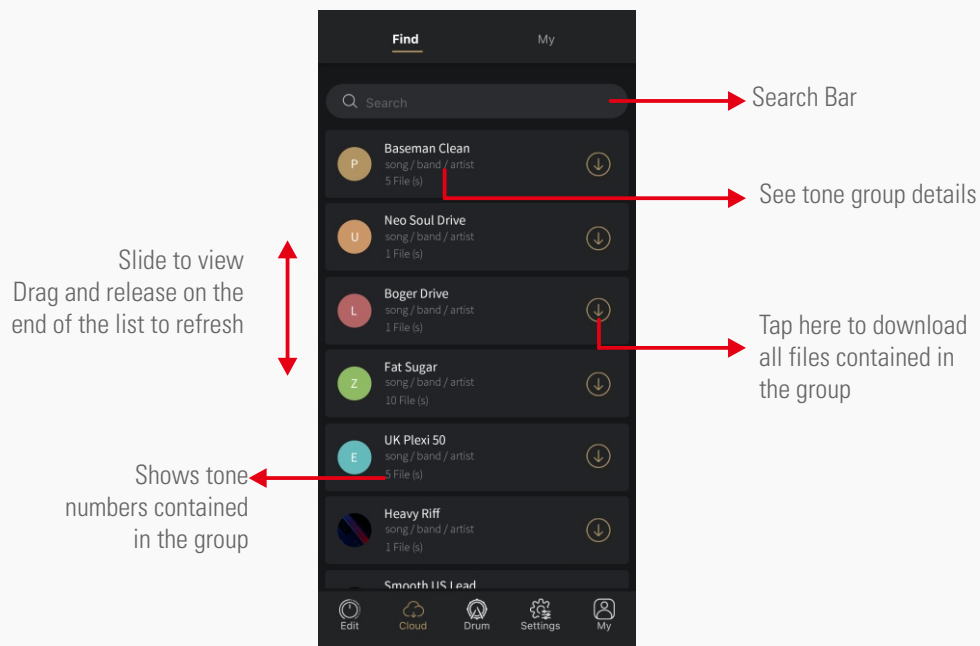
Using Hotone Community

Tap “Cloud” tab to enter Cloud menu. In this menu you can view and download tones compatible for Pulze in Hotone Community. You can also manage the tones you uploaded.

Using Pulze Editor

Find

Here lists all available Pulze tones in Hotone community for you to check detailed descriptions or download:

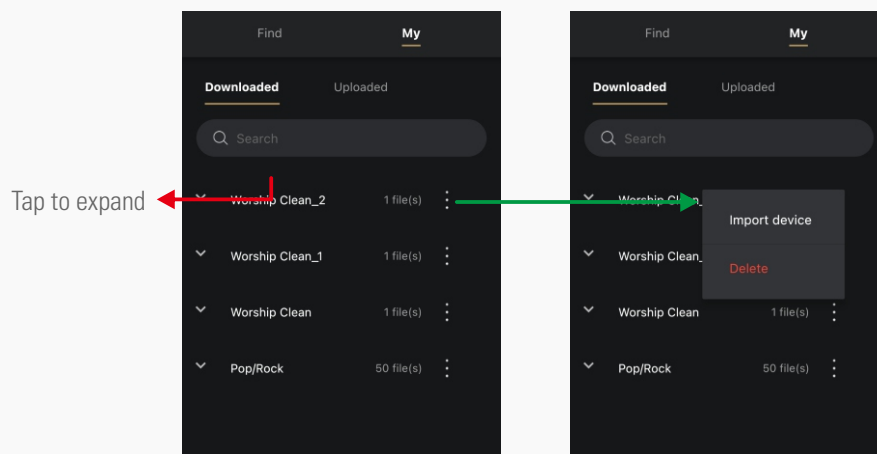


My

This menu lists the tones you downloaded/uploaded.

Downloaded

You can manage the tones you downloaded from Hotone community:



- Import device

Tap  button on a tone group or a tone (in an expanded group), and choose "Import device" to import selected tones to your Pulze.

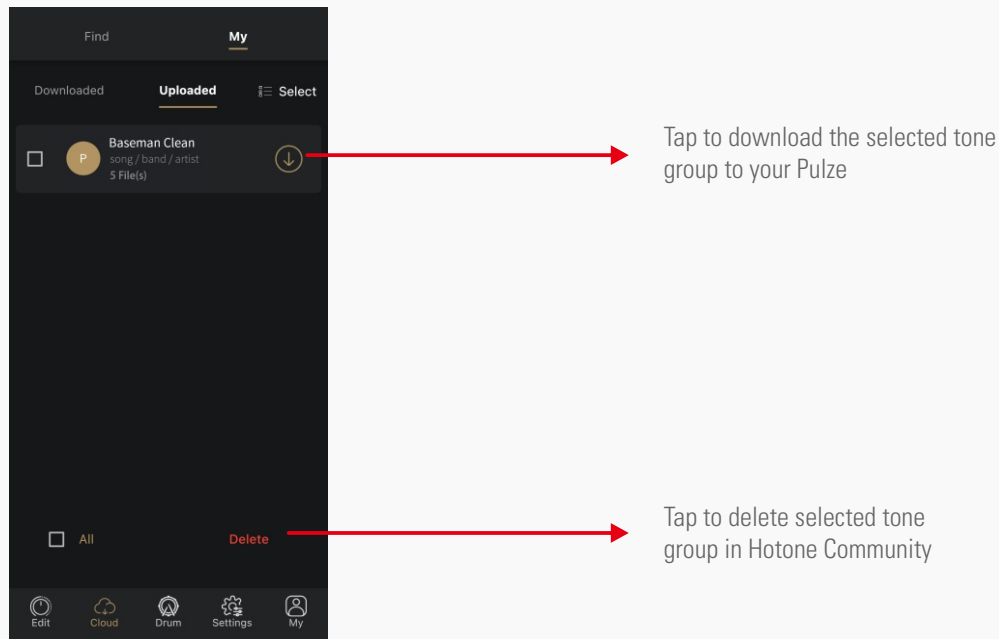
- Delete

Tap  button on a tone group or a tone (in an expanded group), and choose "Delete" to delete selected tones to your Pulze.

Using Pulze Editor

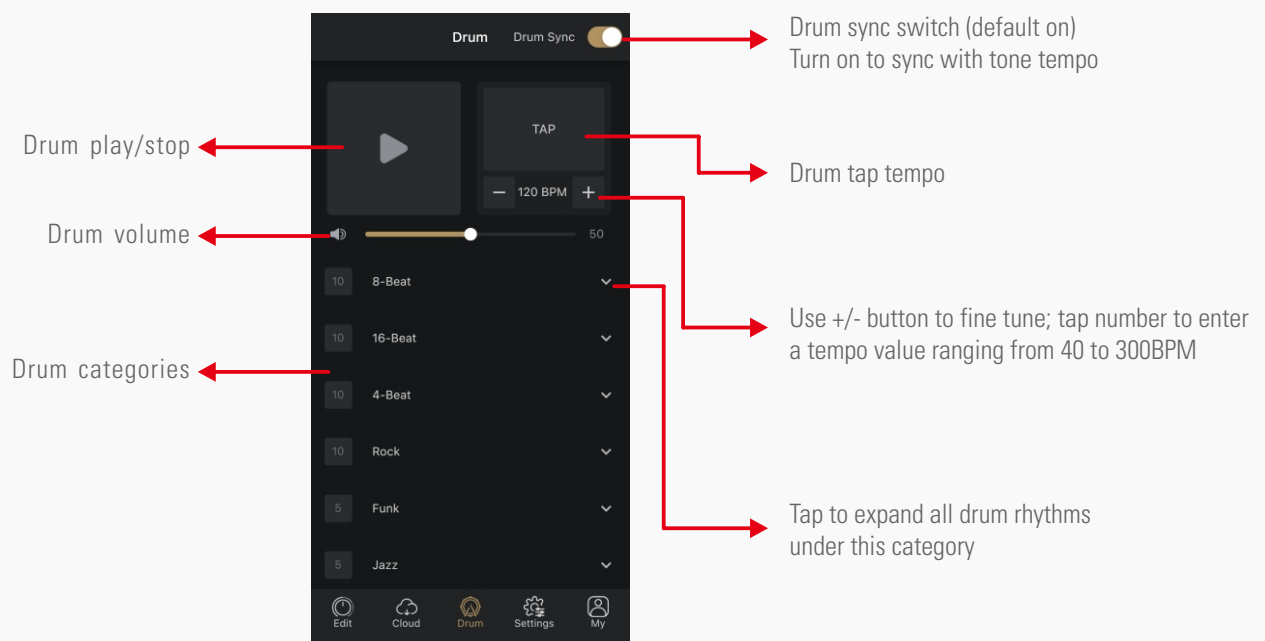
Uploaded

You can manage the tones you uploaded to Hotone community:



Using Drum on Pulze Editor

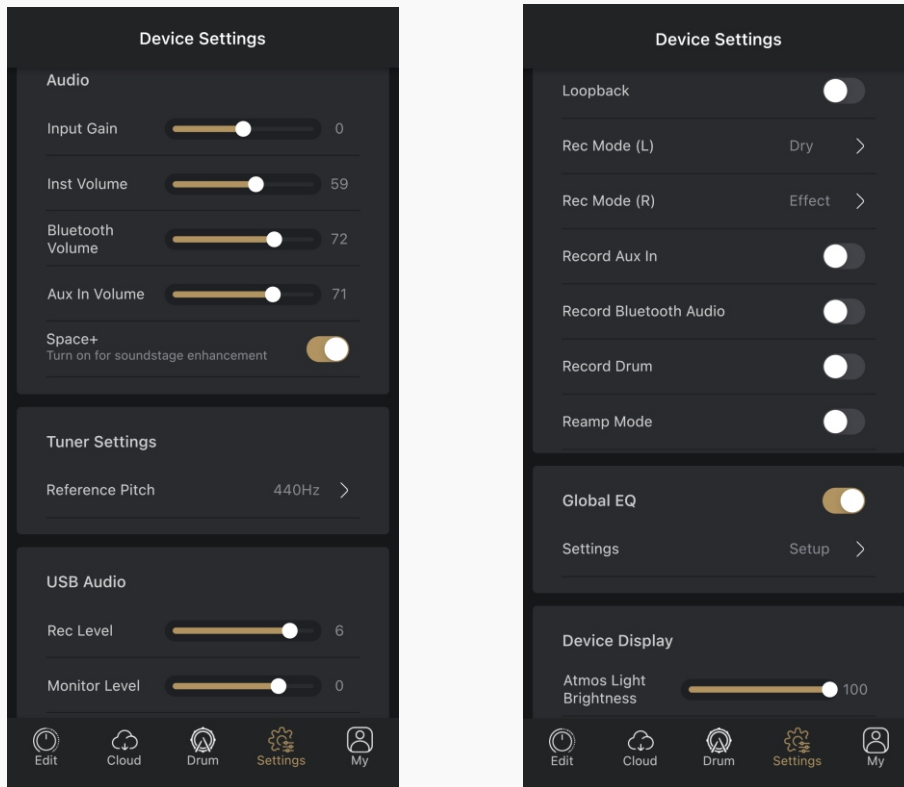
Tap "Drum" tab to enter Drum menu. Most operations are the same as operating on Pulze's touch screen (see Page 9):



Using Pulze Editor

Settings

In Settings menu, most operations are the same as operating on Pulze's touch screen. The instructions below only show functions that not available on your Pulze unit. Tap "Settings" tab to enter Settings menu:



Audio

- Same as operating on Pulze's touch screen (see Page 13).

Tuner Settings

- Reference Pitch: Sets standard A (A4) pitch calibration from 415Hz-475Hz. Default is 440Hz.

USB Audio

- Record Level: Adjusts USB audio record level from Mute~-60dB~+20dB. Default is 0dB.
- Monitor Level: Adjusts USB audio monitor level from Mute~-60dB~+20dB. Default is 0dB.
- Loopback: Turn on to reroute your USB audio output to USB audio input for podcasting/streaming. Default is on.
- Rec Mode: Selects USB recording input sources form dry signal (Dry) and wet signal (Effect) on USB input L/R channels. Default are all set to Effect.
- Record Aux In/Bluetooth Audio/Drum: Selects whether to record audio signal from aux in jack/Bluetooth/built-in drum machine. Default are all set to on.
- Reamp: Turn on to send USB audio output 1/2 to effects chain for reamping. This will bypass your Pulze's input jack. Default is off.

Using Pulze Editor

How To Reamp

1. Get dry instruments tracks: You can find and download tracks on your own, or set Rec Mode switch on your Pulze to Dry to record some tracks.
2. Turn on Reamp switch.
3. Launch a DAW and create two audio tracks. Set track 1's input to None, output to USB Audio Output 1/2; set track 2's input to USB Audio Input 1/2, output to USB Audio Output 1/2. Then keep monitor switches off on both tracks. If you only need to record AMP+CAB modules, keep track 2's input to USB Audio Input 1.
4. Still in DAW, set only track 2 can be recorded, and import a dry track (Audio Clip A) to track 1.
5. In DAW, start playback and loop the dry track in track 1, you'll hear the Audio Clip A with effects (depending on effects chain settings).
6. Adjust effects parameters depending on your needs.
7. Turn off looping switch in DAW. Record on track 2 with track 1 playing simultaneously. Then you get a wet track (Audio Clip B) as you've heard in step 5 and 6.
8. Turn off Reamp switch and check whether Audio Clip B is OK.
9. Repeat the steps above to get different reamped tracks.

Please note:

1. For tone creation, you only need to execute steps 1 to 6.
2. If needed, connect a pair of headphones to phones jack in step 4.
3. To avoid possible abnormal computer audio monitoring/playback issues, PLEASE REMEMBER TO TURN REAMP SWITCH OFF WHEN REAMP FINISHED.
4. PLEASE DO NOT TURN ON MONITOR SWITCH OF YOUR TRACKS IN YOUR DAW DURING REAMP PROGRESS to avoid abnormal feedback/noises which may harm your devices.
5. Turning on Loopback switch is not recommended during reamp progress.

Global EQ

You can turn on Global EQ for overall tone sculpting if needed.

Global EQ is defaulted to off and won't affect audio playback (USB Audio/Bluetooth/aux in).

Tap "Setup" in Global EQ section:



- Low Cut/High Cut set low cut/high cut filter frequency from Off-20Hz-20000Hz, defaults are all off.

Using Pulze Editor

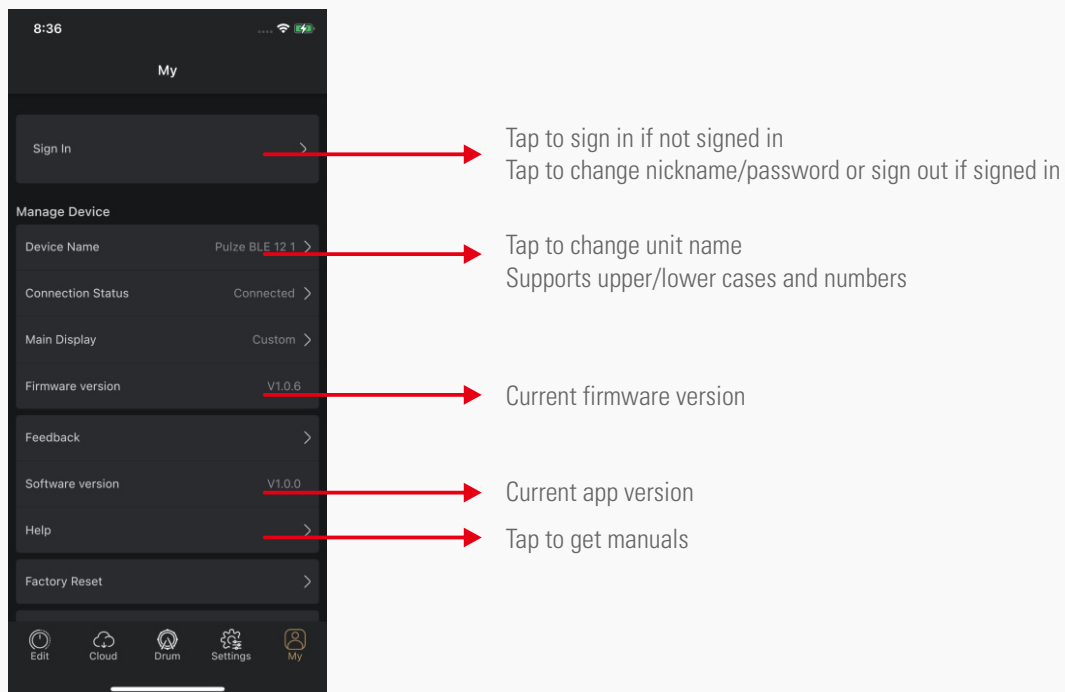
- Band 1-4 are 4 switchable peak filters with center frequency, bandwidth (Q) and gain controls. 4 band controls are the same:
 - FREQ 1-4: Controls band 1-4 center frequency from 20Hz-20000Hz. Default values are:
 - BAND 1: 100Hz
 - BAND 2: 500Hz
 - BAND 3: 2000Hz
 - BAND 4: 5000Hz
 - Q: Controls filter width from 0.10-10.00, default is 0.71
 - Gain: Controls filter gain from -20dB to +20dB, default is 0dB

Display

- Only atmosphere light brightness control and theme color control are available. Please see Page 14 for details.

My

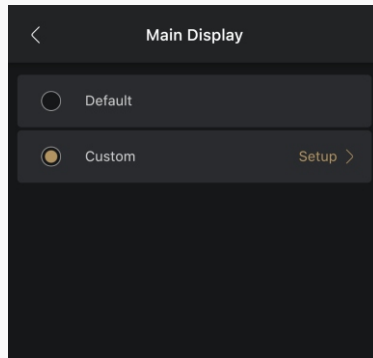
In this menu you can manage your account, manage your Pulze unit, check manuals, backup your data and reset your unit. Tap "My" tab to enter:



Using Pulze Editor

Main Display

In this menu you can set the main display of your Pulze: Default (Play Mode/Songlist Mode depending on your settings, see Page 9) and Custom (Custom Panel, see Page 12):



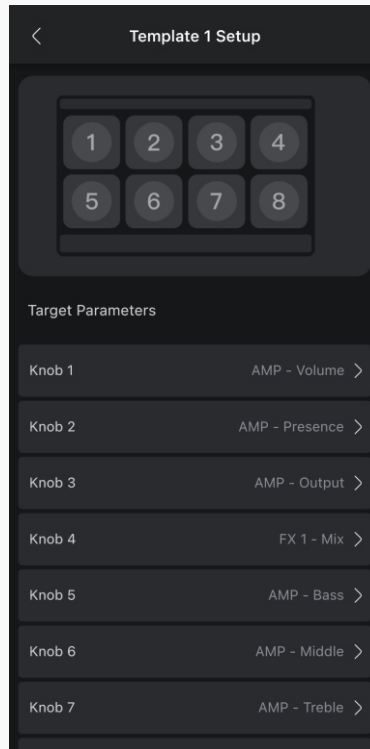
How to Set Up Custom Panel

Tap **Setup >** button for detailed settings:

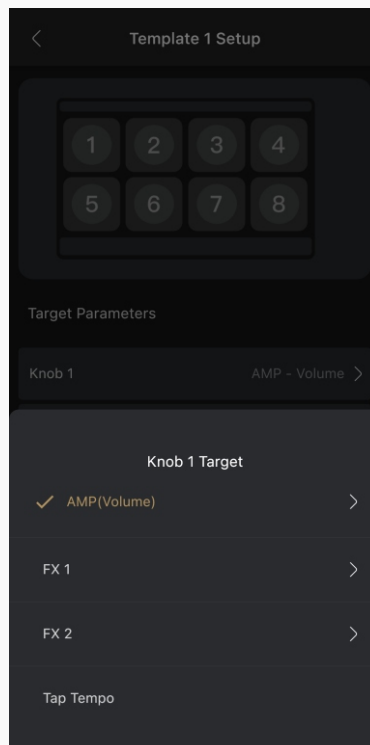


Choose a template you like and tap **Setup >** button:

Using Pulze Editor



Tap  button on correspond knob to set a target parameter/function:



Available options are current effect parameters of AMP, FX1, FX2 modules and Tap Tempo function

Note: Actual parameter may vary depending on your current tone/effect selections.

Using Pulze Editor

Feedback

If you have some suggestions and issues, you can tell us via Feedback page:

The screenshot shows the 'Submit Feedback' form with the following fields and instructions:

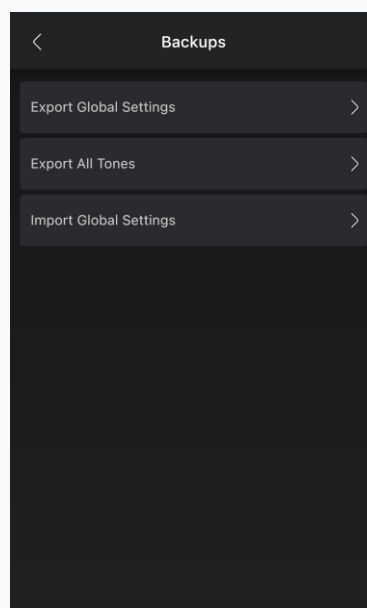
- Feedback Type:** Three buttons: 'Suggestions', 'Usage Issues', and 'Malfunction'. A red arrow points to the 'Malfunction' button with the text 'Choose a feedback type'.
- Feedback Content:** A text area with the placeholder text 'Describe your issue with at least 10 characters so that we can do our best to help.' A red arrow points to the text area with the text 'Fill in feedback content (min. 10 characters)'.
- Contact information:** A text area with the placeholder text 'Please enter your contact information (email or others)'. A red arrow points to the text area with the text 'Fill in your contact info'.
- Submit:** A large orange button at the bottom. A red arrow points to the button with the text 'Confirm and submit'.

Factory Reset

All options are the same on your Pulze unit (see Page 15).

Backup

You can use Backup function for backing up your tones and settings.



Export All Tones function lets you export all tones stored in your Pulze as individual tone files. The operation is the same as normal export progress.

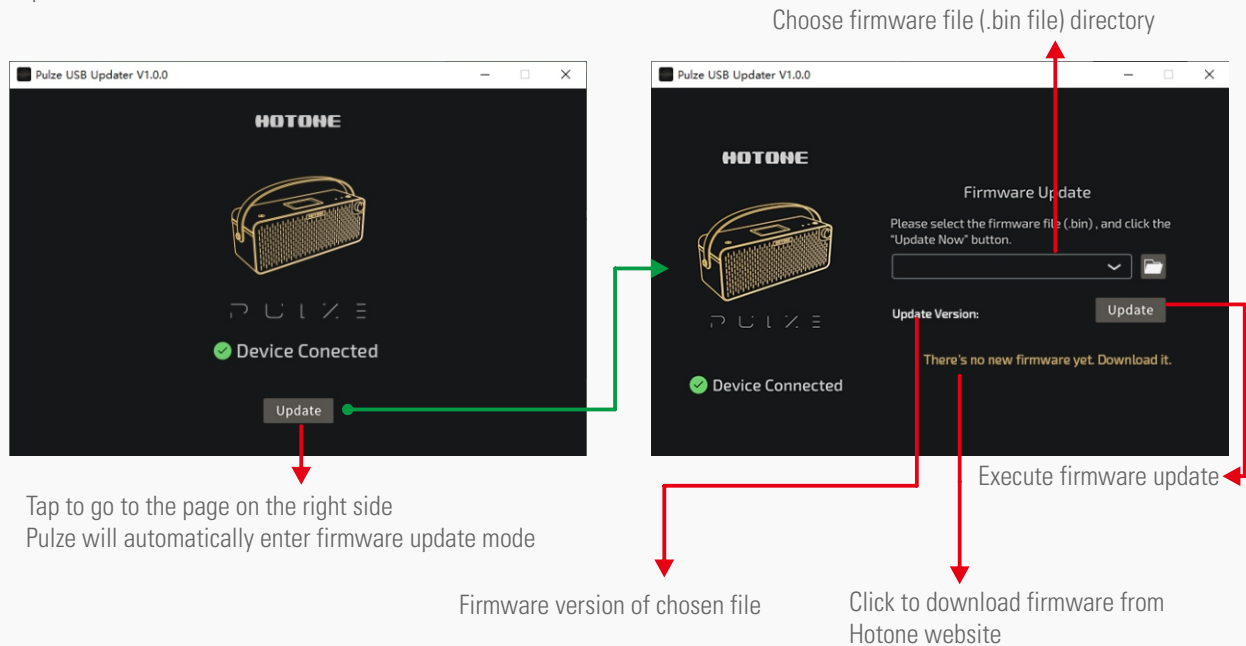
Export Global Settings function lets you export your current settings as a .glb file. If you need to recover your global settings, you can use Import Global Settings function.

For iOS users, when exporting, the file should be exported to Files/My iPhone/Pulze Editor/.

Firmware Update

You can update your Pulze by using Pulze USB Updater on your PC/Mac.

Download and launch Pulze USB Updater, power up your Pulze and connect to your computer, then follow the instructions on the updater UI:



Please note:

1. Do not disconnect the power supply while update is in progress to avoid possible malfunction.
2. If update accidentally failed, please turn off your Pulze, power up while holding the update button to enter firmware update mode, then re-update.

Troubleshooting

Please note: If issues still occur after troubleshooting, please disconnect the AC adapter and turn the power OFF immediately and disconnect all other connected cables, then contact our service team/authorized dealers/the store where you bought the unit. Please inform us the model name, serial number, specific symptoms related to the malfunction, your contact info and other info if you think which will be helpful.

- Device won't turn on
 - Make sure the power supply is properly connected and the device is switched on.
 - Check if the power adapter is working properly.
 - Check if you're using the correct power adapter.
- No sound or slight sound
 - Make sure your cables are connected properly.
 - Make sure the volume knob is adjusted properly.
 - Check effect output volume settings.
 - Check tone volume of your current tone.
 - Check the noise gate threshold setting of your current tone.
 - Make sure Reamp switch is off by using Pulze Editor (Settings > Reamp). the noise
 - Make sure your Pulze is not blocked by other objects.
- Noise
 - Make sure your cables are connected properly.
 - Check your instrument output jack.
 - Check if you're using the correct power adapter.
 - If the noise is coming from your instrument, try using the noise gate effects or adjust threshold parameter.

Troubleshooting

- Sound problems
 - Make sure your cables are connected properly.
 - Check your instrument output jack.
 - Check I/O meters to see if your input/output levels are properly set. Extreme I/O levels may cause abnormal sounds.
 - Check effect parameters to see if they are properly set. Extreme parameters may cause abnormal sounds.
 - Make sure Reamp switch is off when finish reamping and start monitoring reamp results.

Technical Specifications

- Frequency Range: 20Hz-20kHz
- Speakers: Two 3.5" custom full range speakers
- Power Amp: Class D stereo power amp with 30W output (15W+15W, 1% THD)
- Digital Audio Signal Processing: 24-bit depth, 44.1kHz sample rate
- No. of Effect Modules: 7
- No. of Effects: 177 (incl. Global EQ)
- Bluetooth®: 5.0 Dual-Mode (BLE & audio) with Bluetooth® MIDI support
- Tones (Presets): Max. 200 tones
- Drum Machine: 100 rhythm patterns incl. metronome
- Inputs:
 - One 1/4" Tip Sleeve (TS) instrument jack
 - One 1/8" Stereo Auxiliary In (Aux In) jack
- Outputs: One 1/8" stereo headphones output jack
- Screen: 4" 800 x 480 Color Dynamic Display Touch Screen
- USB Port: USB 2.0 Type-C port, supports USB Audio 2.0
- USB Audio: 2-in/2-out USB audio interface with loopback and reamp support
- IR processing: Supports 24-bit/44.1kHz Mono WAV files, 1024 points; Supports up to 20 user IRs
- Power Requirements: 18V DC Center Positive
- Current Consumption: 2A
- Dimensions: 455mm (W) x 161mm (D) x 171mm (H)
- Weight: 3.8kg