



HD-300 Assistant For Android

Owner's Manual

Ver. 1.00

Introduction

Thank you for using the HD-300 Assistant. This app is equipped with functions that make using the HD-300 even more convenient and powerful. Please read this manual carefully and use it together with the main unit.

What you can do with this app

- **Use expanded functions:** HD control, Rhythm/tempo setting, Individual volume/pitch, Rhythm assistant
- **Help to hear exact intervals using the HD-300:** Demonstration (Interference beat, Volume balance)
- **Use convenient functions on the app:** Tuner

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Setting up

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Common operations

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Downloading and installing the app

NOTE

Before using this app, please update the firmware of your HD-300 to the latest version. For details, please visit Yamaha official website.

<https://www.yamaha.com/en/>

Search for “HD-300 Assistant” in the Google Play Store, and install it.

NOTE

At the first startup, a pop-up will appear asking for permission to use the audio record functions, access of the device location, and contacting/determining the relative position of nearby device. Allow each permission. If you do not allow these, the app will not work properly.

If you select “Don’t allow” at startup, you can set the permission in “Settings” > “HD Assistant” on the Android device, and the app will work normally.

Connecting with the HD-300 (1/3)

Perform the pairing operation for communication between the Android device and the HD-300. The device uses Bluetooth, but actually connects with a channel separate from the conventional Bluetooth audio settings in Android device, and so must be set from this app.

- 1. Turn on the Bluetooth function for both the HD-300 and the Android device.**
 - 1-1. Turn on the HD-300 and press the [SETTING] button to open the Settings screen.**
 - 1-2. Set “Bluetooth” to “On” using the [>] and [-]/[+] buttons.**

NOTE
Do not set “Bluetooth” to “Pairing” in this procedure.
 - 1-3. Enable the Bluetooth function on the Android device.**

For details on how to do this, refer to the Android device owner’s manual.

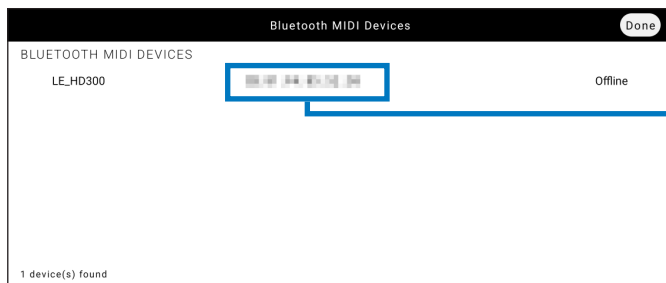
Connecting with the HD-300 (2/3)

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2. Make pairing settings for the app and the main unit to communicate.

2-1. Do one of the following to open the Connection settings screen.

- Launch the “HD-300 Assistant” app.
- If the app is already running, tap  at the top right of the screen.



Bluetooth device address

The devices that can be connected are displayed on the screen.


2-2. Tap the name including “HD300” on the list to start the connection process.

The connection is complete when the display on the right changes from “Not connected” to “Connected.”

Connecting with the HD-300 (3/3)

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3. Tap “Done” at the top right of the screen to close the settings screen.

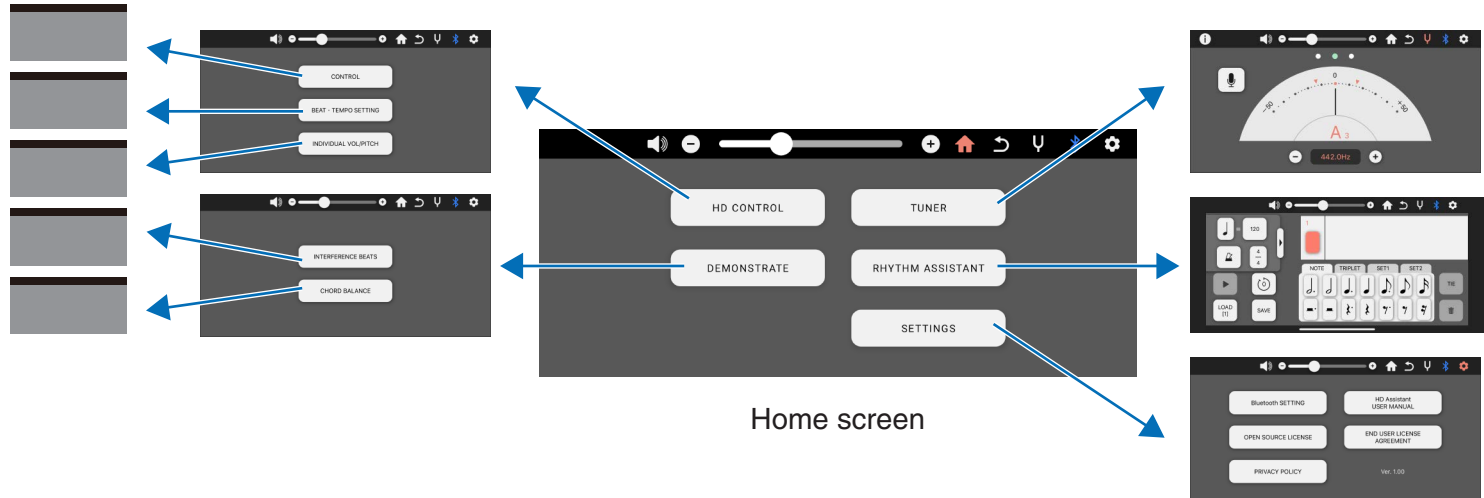
The  icon on the upper right of the home screen will be colored. In this condition, any operation executed on the app or the HD-300 will be synchronized.

Troubleshooting connection problems with the HD-300

- The device name is not displayed or is displayed as “Offline.”
 - Make sure that the power of the HD-300 is turned on.
 - Check that “Bluetooth” is set to “On” on the Settings screen of the HD-300.
 - Turn off the power of the HD-300 and then turn it on again.
- Connection fails.
 - Turn off the power of the HD-300 and then turn it on again.
 - Close the HD-300 Assistant app and restart it.
 - Check if the Bluetooth function of Android device is enabled.
 - Check if Bluetooth communication is permitted in “Settings” > “HD Assistant” on the Android device.

Function selection: From screen menu

Starting from the home screen, tap the white button on the screen to move to the desired function.








Function selection: Using shortcut icons

Except in some instances, shortcuts are displayed at the top of the screen.

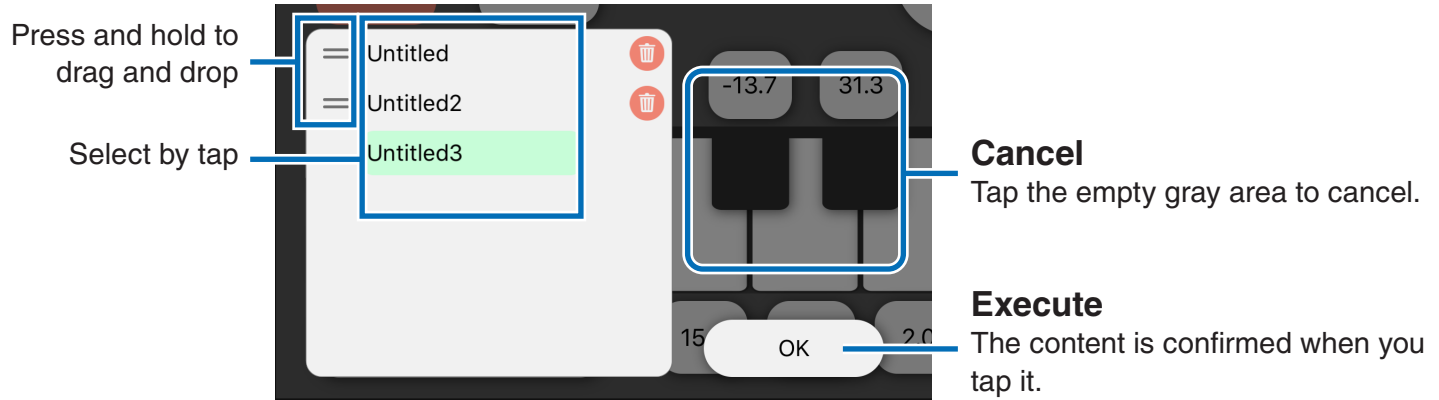


Adjusts the main volume of the HD-300

-  Calls up the Home screen, and is colored when the Home screen is displayed.
-  Returns to the previous screen.
-  Calls up the Tuner screen, and is colored when the Tuner screen is displayed.
-  Calls up the Connection Setting screen, and is colored when connection is enabled.
-  Calls up the Settings screen, and is colored when the Settings screen is displayed.

Editing: Select, Change, Delete, Execute/Cancel

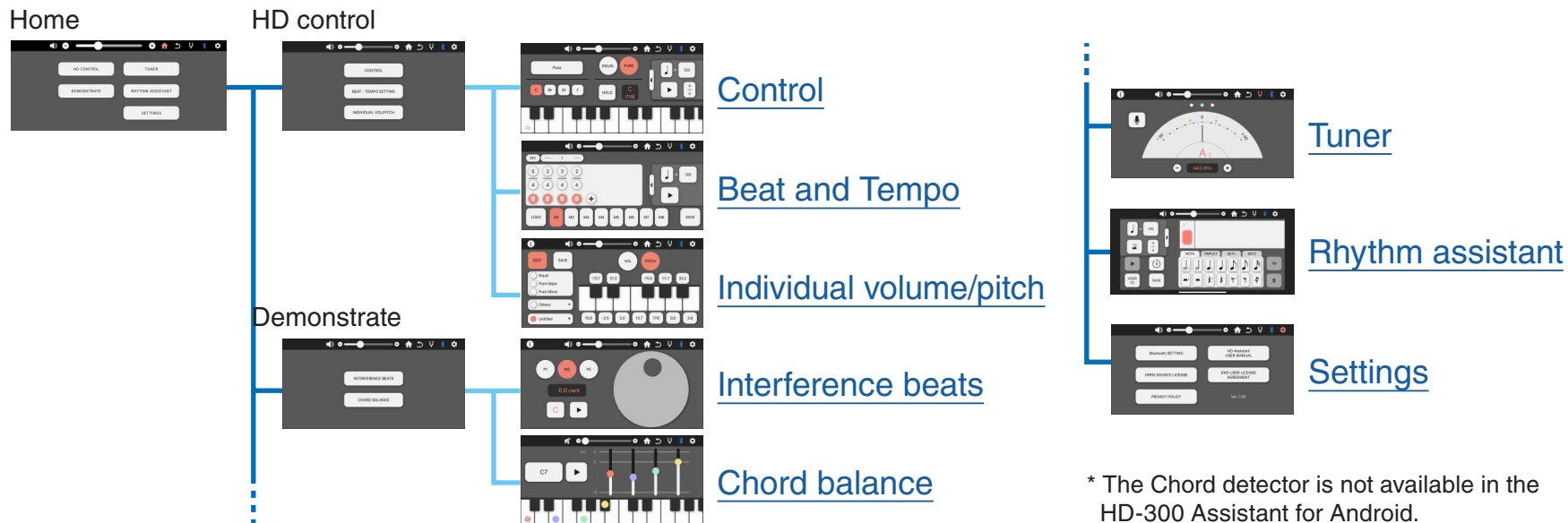
This section describes pop-up menu operations, such as selecting, changing, or saving.



Immediately deletes the corresponding item, without confirmation.

Function list

Tap the image/name of the function to move to the explanation page for each function.



* The Chord detector is not available in the HD-300 Assistant for Android.

Operate the connected HD-300 main unit from the app.

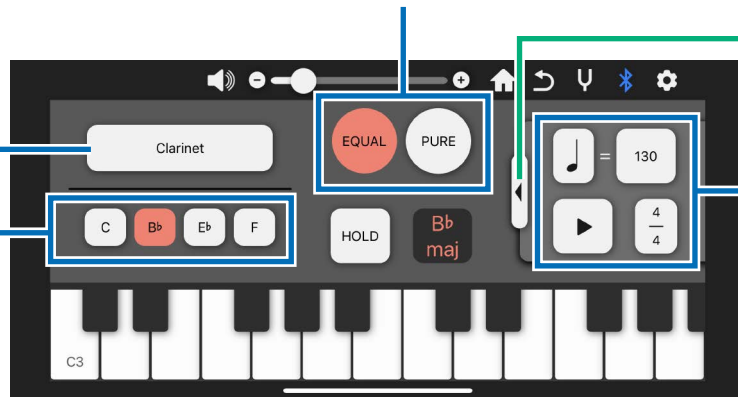
Normal ①

Temperament selection equal/pure

If you want to use individual temperament, go to the [“Individual volume/pitch”](#) function.)

Voice selection

Transpose



Opens the [metronome detailed settings](#)

Metronome operations

Checking the tempo reference note
Check and set tempo and time signature
Start/stop metronome.

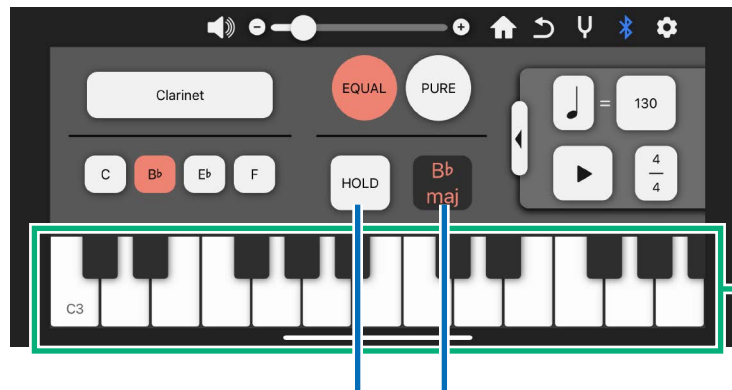
NOTE

If the [Pure] display is green when you select [Pure], the key is locked.

Locking/unlocking cannot be changed from the app. If necessary, operate the main unit directly.

Operate the connected HD-300 main unit from the app.

Normal ②



On-screen keyboard “Hold” on/off

Turns only the “Hold” setting of the keyboard on/off from the screen. This is independent of the HOLD setting of the main unit.

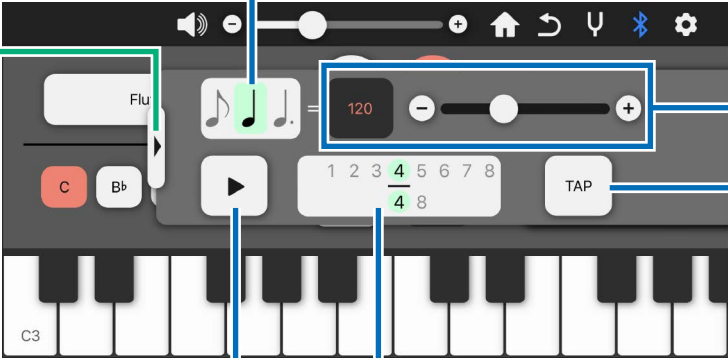
Key display [\(NOTE\)](#)

Unlike the main unit, it does not displays a chord, and only shows the root key and the distinction between major (maj)/minor (min).

Keyboard

The note touched will be sounded by the HD-300. It is also used for key input. You can change the octave by flicking.

Metronome detailed settings



The screenshot shows the metronome settings interface. At the top, there is a volume slider and system icons. Below that, a 'Flu' button is visible. The main control area includes a play/pause button, a tempo slider set to 120, and a 'TAP' button. A metronome icon is also present. Below the controls is a piano keyboard with a 'C3' label. Callouts with lines pointing to specific elements include: 'Close the metronome detailed settings' pointing to a close button; 'Tempo reference note' pointing to a musical note icon; 'Tempo' pointing to the tempo slider; 'Tap' pointing to the 'TAP' button; 'Start/stop metronome' pointing to the play/pause button; and 'Beat (as a simple metronome)' pointing to the meter display showing 4/4.

Tempo reference note

Close the metronome detailed settings

Tempo

Tap
This functions in the same way as the [TAP] button on the HD-300.

Start/stop metronome

Beat (as a simple metronome)
If you want to use an irregular meter, go to the [“Beat and Tempo”](#) function.

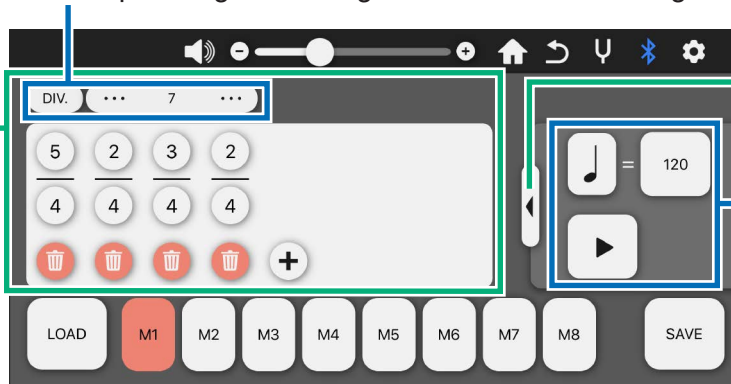
Control the Beat and Tempo memory function.
You can save multiple sets of M1–M8 and recall them later.

Normal ①

Beat division/integration

When you tap this, division (or “split”) plans for the corresponding beat will appear. You can split the time signature into manageable beats by selecting the desired one and tapping “OK.” Tap this again to integrate them to the time signature before making the split.

Edit beats
Changing/adding/
deleting beats.



Open the [metronome detailed settings](#)

Metronome operations

Checking the tempo reference note.
Checking and setting the tempo and time signature.
Starting/stopping the metronome.

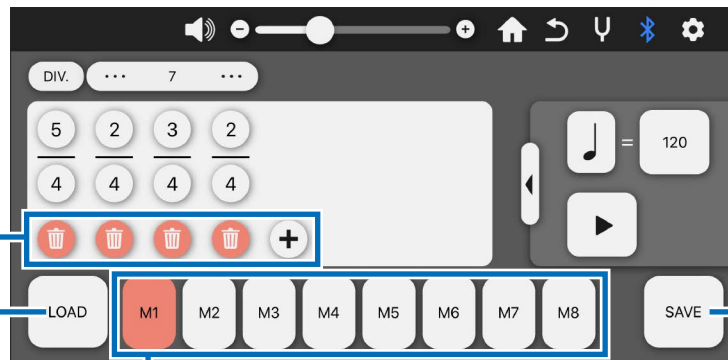
Control the Beat and Tempo memory function.
You can save multiple sets of M1–M8 and recall them later.

Normal ②

Add/delete beat

Load memory bank

Loading the M1–M8 settings data saved to the app as one bank.



Memory select

Selecting the desired M1–M8 setting to be edited.
The content is sent to the main unit in real time.

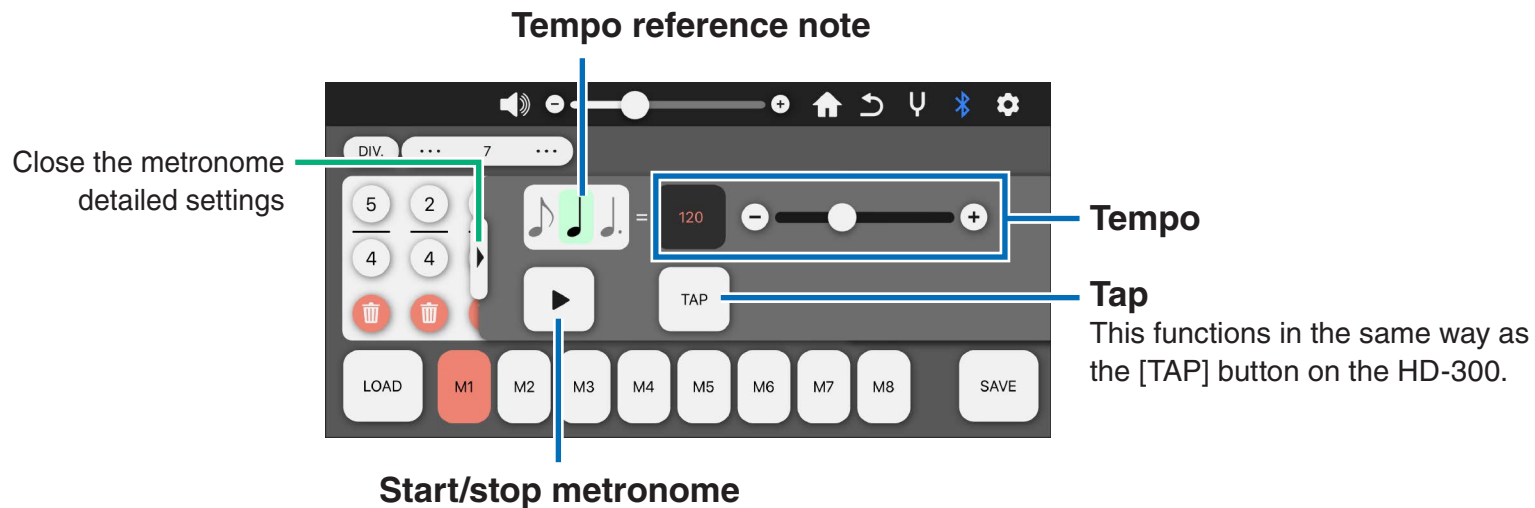
NOTICE

- The contents of M1 to M8 of the main unit will be overwritten with the data on the app side when you use the load memory bank function. If necessary, save them before using this function.
- Save the beat / tempo you have edited before connecting to the main unit.

Save memory bank

Naming the M1–M8 settings as one bank, and saving them to the app.

Metronome detailed settings



Set the individual volume/pitch. The temperament mode of the main unit automatically switches to “User” mode. You can choose settings from presets or create your own settings to save and recall.

Normal mode

Change to [edit mode](#) (next page)

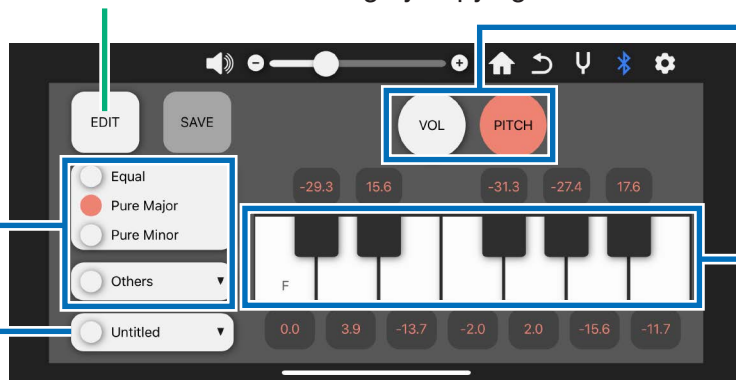
Create a new custom setting by copying the current setting.

Preset temperaments

Select from preset temperaments.

Saved custom temperaments

Select an edited/saved temperament.



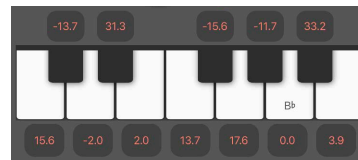
Selecting volume/pitch

Keyboard

The note touched is sounded by the HD-300. The root name of the current key is shown on the keyboard in this screen. The root name of the major key is shown as in the illustration at left. Also, the root name of the minor key is shown as in the illustration below.

NOTE

The numbers (volume/pitch) corresponding to each key cannot be changed in normal mode. They can only be changed in edit mode.



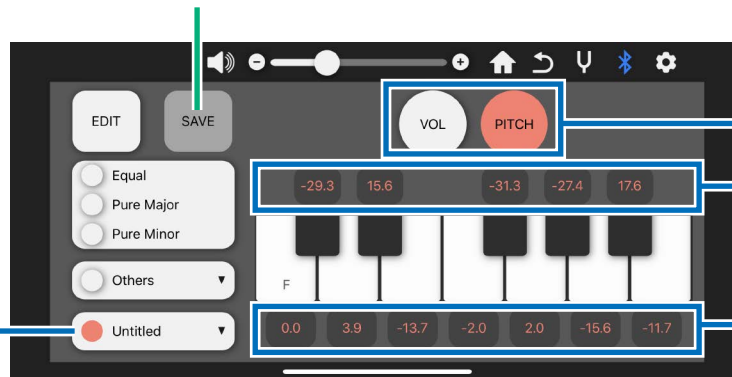
Even during editing, the values are reflected in the main unit in real time.

Edit mode: Editing

Call up [Save Destination selection](#) (next page)

Saves the settings you are editing.

**Setting name
being edited**
Allows you to edit this
name before saving.



Selecting volume/pitch

**Volume/pitch of
corresponding note**

Tap to call up the pop-up window
and change the value.

Save individual volume/pitch settings. Volume and pitch are saved together as a set.

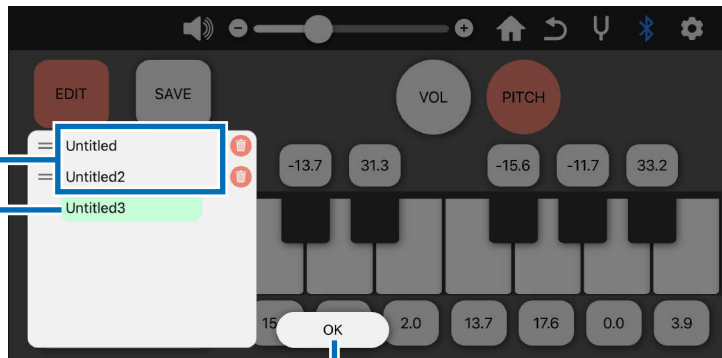
Edit mode: Save Destination selection

List of saved settings

Allows you to rename or delete the setting by tapping it. You can also overwrite current setting data.

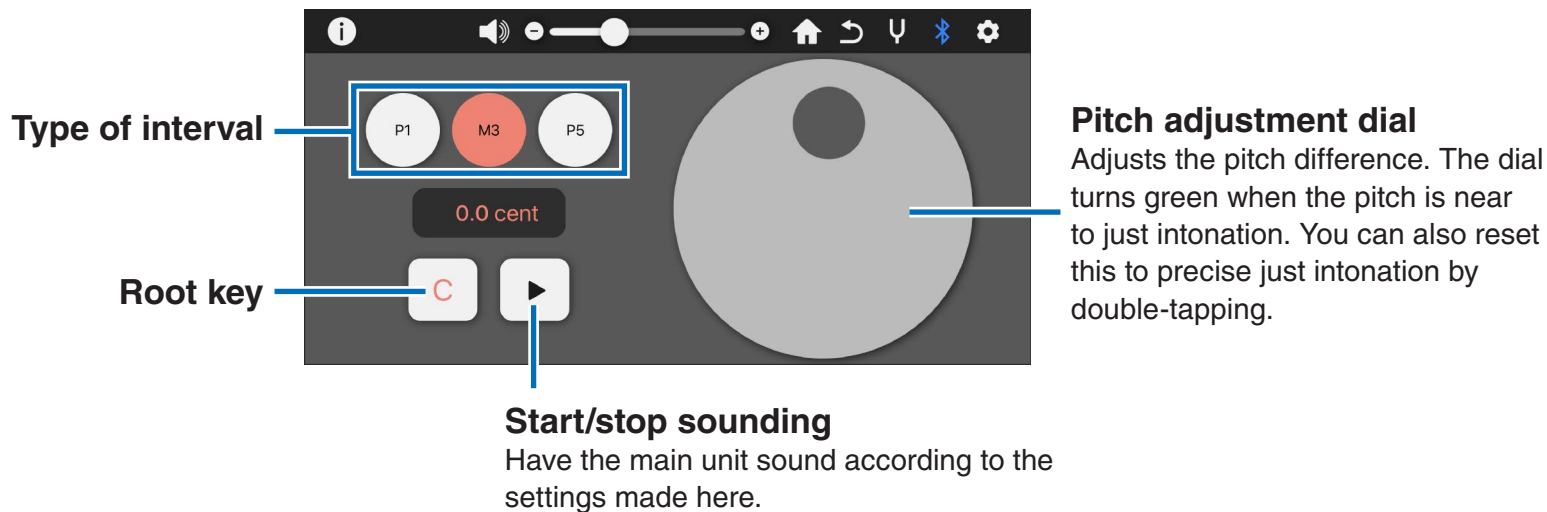
Setting name being edited

While this is selected and the Save operation is executed, the current settings will be saved as new data.



Execute Save operation and return to normal mode

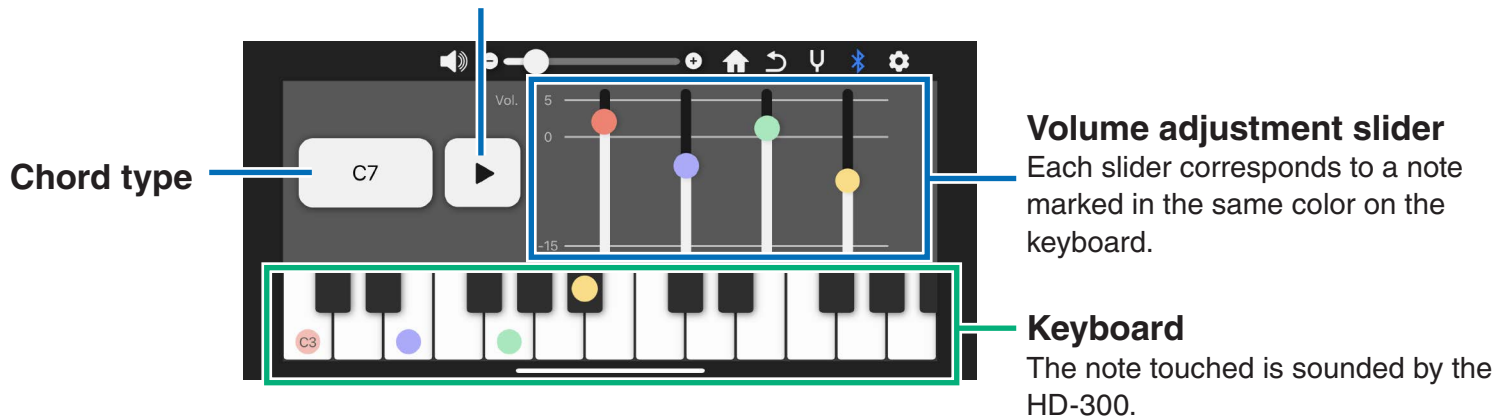
Demonstrate minutely out-of-tune sounds (interference beats), using the HD-300.



Demonstrate the volume balance of chords, using the HD-300 main unit.

Start/stop playing chord

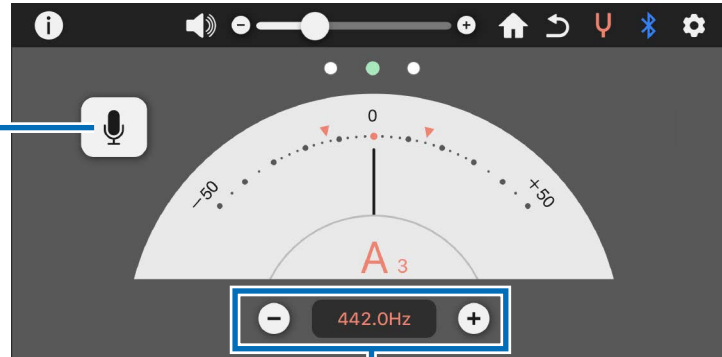
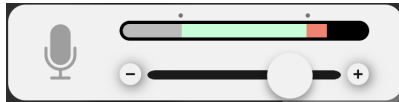
Have the main unit sound according to the settings made here.



This tuner function uses the microphone of the Android device.

Microphone sensitivity adjustment

Tap to display the level meter and slider. Adjust the slider so that the input sound from the microphone falls within the green range.



Standard pitch

Synchronizes with the standard pitch setting of the HD-300.

Edit the rhythm patterns of “Custom 1” – “Custom 8” in the main unit by this function. You can save the rhythm patterns of “Custom 1” – “Custom 8” and recall them later.

Tempo / time signature settings

Setting the tempo value
Setting the tempo / time signature
Metronome volume control

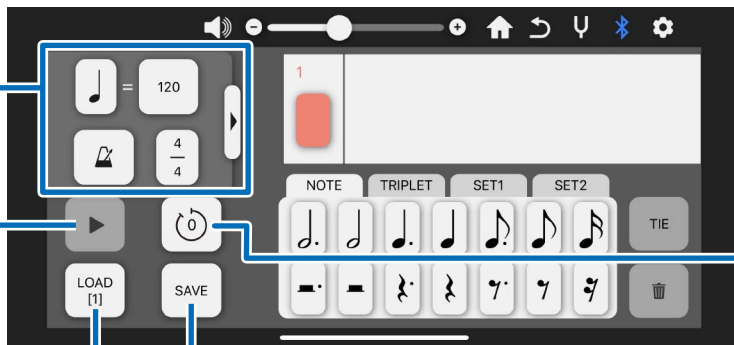
Start/stop of rhythm pattern

Load rhythm pattern

Load the rhythm pattern of “Custom 1” – “Custom 8.” When editing a new rhythm pattern, select a custom rhythm name from the list.

Save rhythm pattern

Save the edited rhythm pattern to the app. You can also include a memo or other important information (song name, etc.)



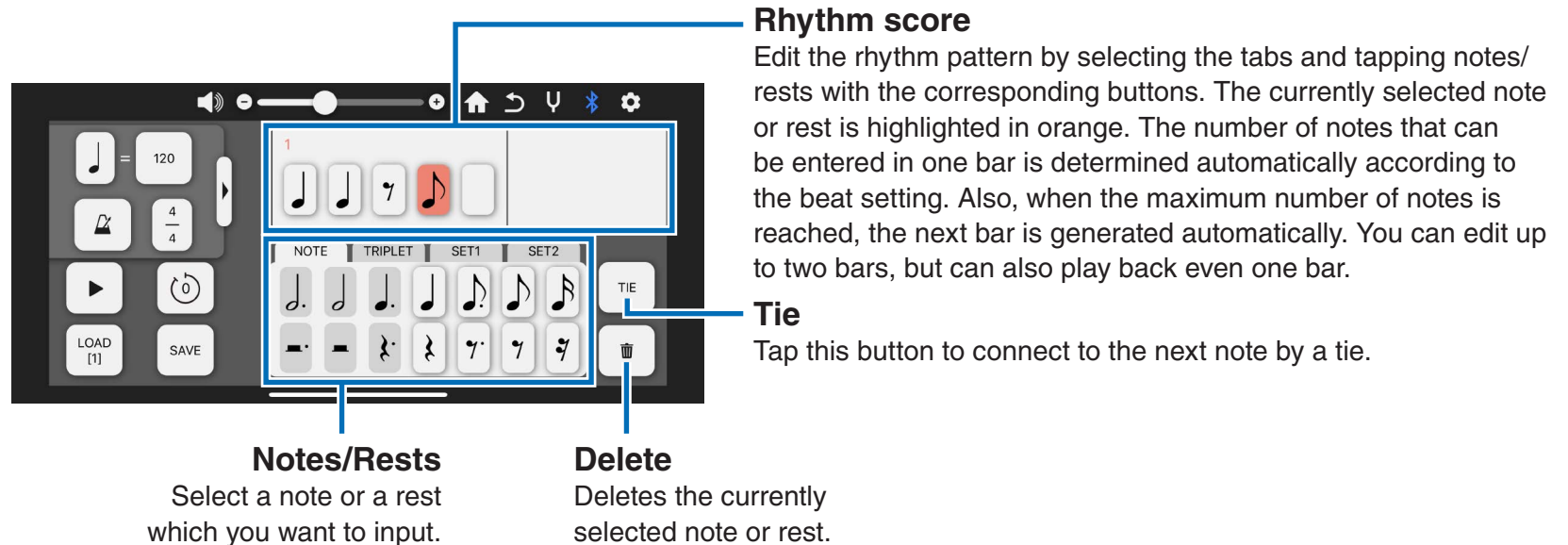
NOTE

Tap the [Load] button and select a custom rhythm pattern name before editing a rhythm pattern.

Setting the preparatory beat

You can set the preparatory beat when you want to repeat a rhythm pattern. If unnecessary, set the value to zero.

Edit/start/save a rhythm pattern which you want to confirm after setting the tempo, time signature, and preparatory beat.



The screenshot shows the Rhythm assistant interface. At the top, there are controls for volume, a home button, a back button, a play button, a Bluetooth icon, and a settings gear. Below these are buttons for tempo (120), a metronome icon, and time signature (4/4). The main area is divided into a 'Rhythm score' section at the top, which shows a sequence of notes and rests in a bar, and a 'Notes/Rests' section below it. The 'Notes/Rests' section has tabs for 'NOTE', 'TRIPLET', 'SET1', and 'SET2'. A 'TIE' button and a 'Delete' button (trash icon) are also visible. Callouts point to the 'Rhythm score' (a blue box around the note sequence), 'Notes/Rests' (a blue box around the note selection grid), 'Delete' (a blue line pointing to the trash icon), and 'Tie' (a blue line pointing to the TIE button).

Rhythm score
Edit the rhythm pattern by selecting the tabs and tapping notes/ rests with the corresponding buttons. The currently selected note or rest is highlighted in orange. The number of notes that can be entered in one bar is determined automatically according to the beat setting. Also, when the maximum number of notes is reached, the next bar is generated automatically. You can edit up to two bars, but can also play back even one bar.

Notes/Rests
Select a note or a rest which you want to input.

Delete
Deletes the currently selected note or rest.

Tie
Tap this button to connect to the next note by a tie.

Tap to call up the connection setting screen, display of licenses, etc., and the owner's manual (this manual). The app version is also displayed here.

