# YAMAHA

# Harmony Director HD-300 Use Guide
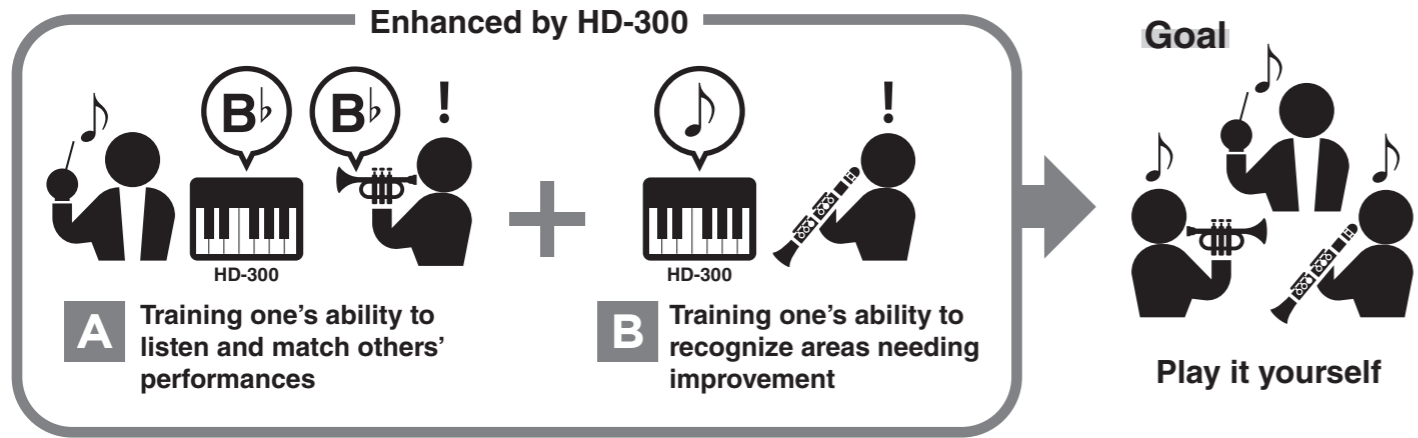## –For efficient practice and gaining a deeper appreciation for music–

## Introduction

The Harmony Director HD-300 is packed with features that help a performer actively improve his or her abilities through independent and interactive learning. We hope that the act of listening back, reflecting on, and correcting one's performance not only helps improve one's abilities as a performer by internalizing what you have learned, but also offers new opportunities to enjoy music and helps provide a sense of enrichment.

This Use Guide describes the kinds of independent and interactive learning that can be incorporated into practice, and the kinds of band practice and instruction that is possible with the HD-300 using specific examples of each scene.

*For detailed operating instructions, refer to the separate "Owner's Manual."

### Enhanced by HD-300



**A** Training one's ability to listen and match others' performances

**B** Training one's ability to recognize areas needing improvement

### Goal
**Play it yourself**

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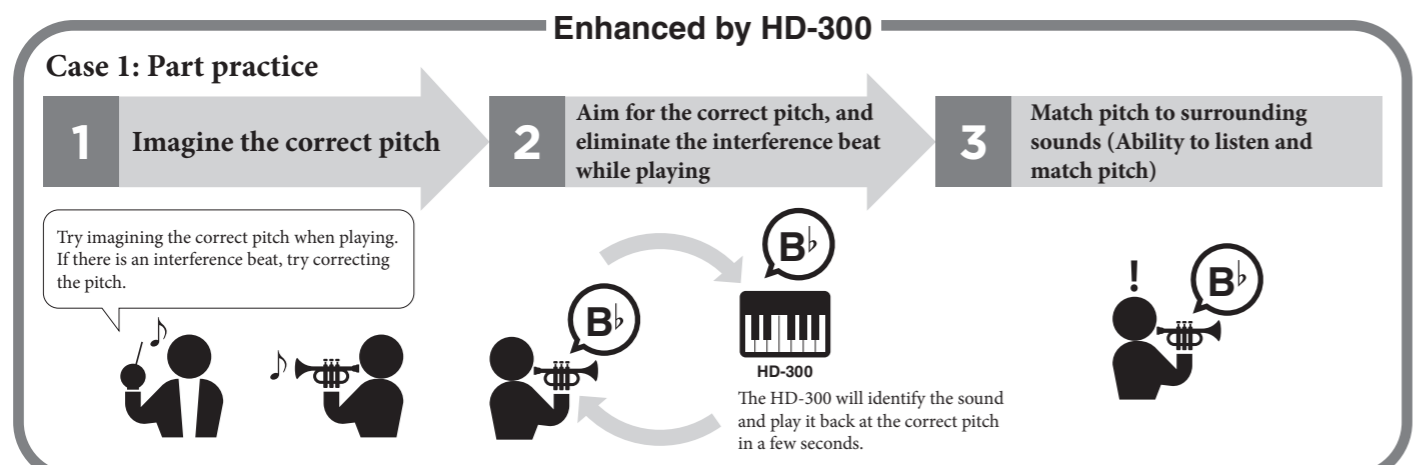
## A Training one's ability for listening and matching pitch (Sound Back* function)

Use the Sound Back function to listen and compare the performer's tone and that of the HD-300. Use this to practice matching the pitch, training your listening and pitch recognition abilities in the process.

### Practice using the Sound Back function

**Scene:** Individual practice, part practice

**Practice goals:** Develop the ability to match pitch by listening to the (surrounding) instruments without relying on a tuner.

### Enhanced by HD-300

**Case 1: Part practice**

**1** Imagine the correct pitch

**2** Aim for the correct pitch, and eliminate the interference beat while playing

**3** Match pitch to surrounding sounds (Ability to listen and match pitch)

Try imagining the correct pitch when playing. If there is an interference beat, try correcting the pitch.

The HD-300 will identify the sound and play it back at the correct pitch in a few seconds.

*Sound Back is trademark of Korg Inc.

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## B Training one's ability to recognize areas needing improvement in a performance, or capturing and sharing a performance in its entirety (Recording function)
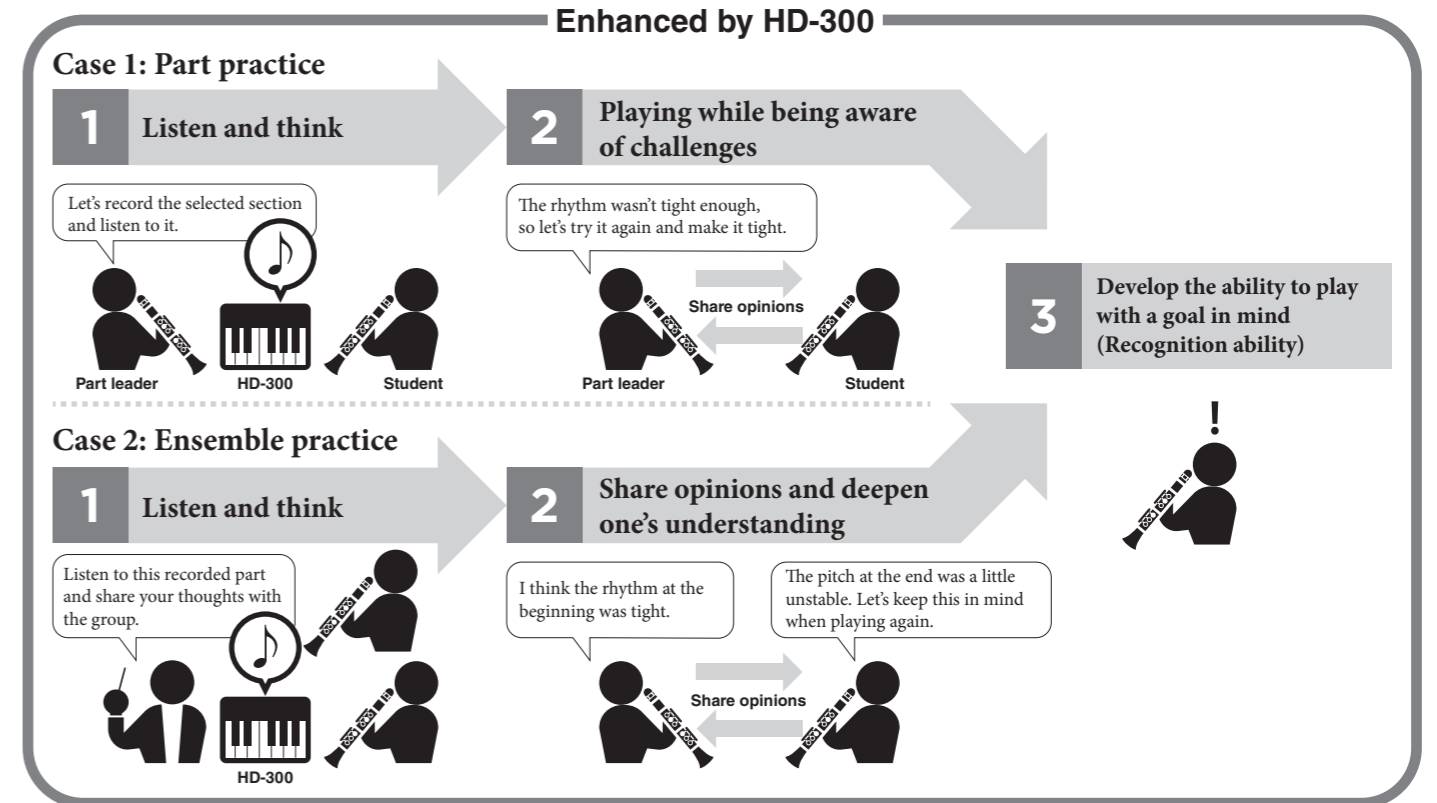
Listening to one's performance objectively can provide new insight. Share new facets noticed with your peers to help deepen your understanding of your own performing abilities.

### Practice using the Recording function

**Scene:** Part practice, ensemble practice

**Practice goals:** Develop one's ability to analyze one's performance objectively and to play towards a goal based on grounds.

### Enhanced by HD-300

**Case 1: Part practice**

**1** Listen and think

**2** Playing while being aware of challenges

**3** Develop the ability to play with a goal in mind (Recognition ability)

Let's record the selected section and listen to it.

The rhythm wasn't tight enough, so let's try it again and make it tight.

Share opinions

Part leader / HD-300 / Student

**Case 2: Ensemble practice**

**1** Listen and think

**2** Share opinions and deepen one's understanding

Listen to this recorded part and share your thoughts with the group.

I think the rhythm at the beginning was tight.

The pitch at the end was a little unstable. Let's keep this in mind when playing again.

Share opinions

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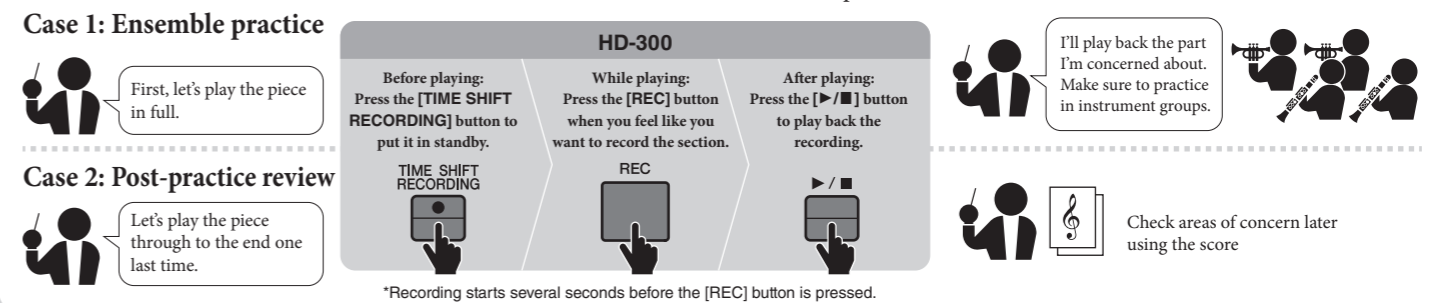### Advanced Quickly present points of concern (Time Shift Recording function)

You can record a part of concern during performance after when you have noticed it, starting at up to 10 seconds before. Facilitate efficient practice and develop each performer's ability to play by themselves, by quickly recording and sharing parts that require additional instruction with them.

### Practice using Time Shift Recording

**Scene:** Part practice, ensemble practice

**Practice goals:** Quickly present points of concern to the practice partner to help facilitate practice.

**Case 1: Ensemble practice**

First, let's play the piece in full.

**HD-300**

Before playing: Press the [TIME SHIFT RECORDING] button to put it in standby.
TIME SHIFT RECORDING

While playing: Press the [REC] button when you feel like you want to record the section.
REC

After playing: Press the [▶/■] button to play back the recording.
▶/■

I'll play back the part I'm concerned about. Make sure to practice in instrument groups.

**Case 2: Post-practice review**

Let's play the piece through to the end one last time.

*Recording starts several seconds before the [REC] button is pressed.

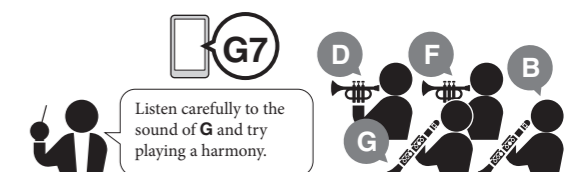Check areas of concern later using the score

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### Introducing the "HD-300 Assistant" app for iOS

This is a useful iOS app that aids your daily practice routine. You can use this app to remotely control certain functions of the HD-300 by connecting to the HD-300 via Bluetooth®. This app also includes dedicated features for app, such as a chord detector, a tuner, and others.
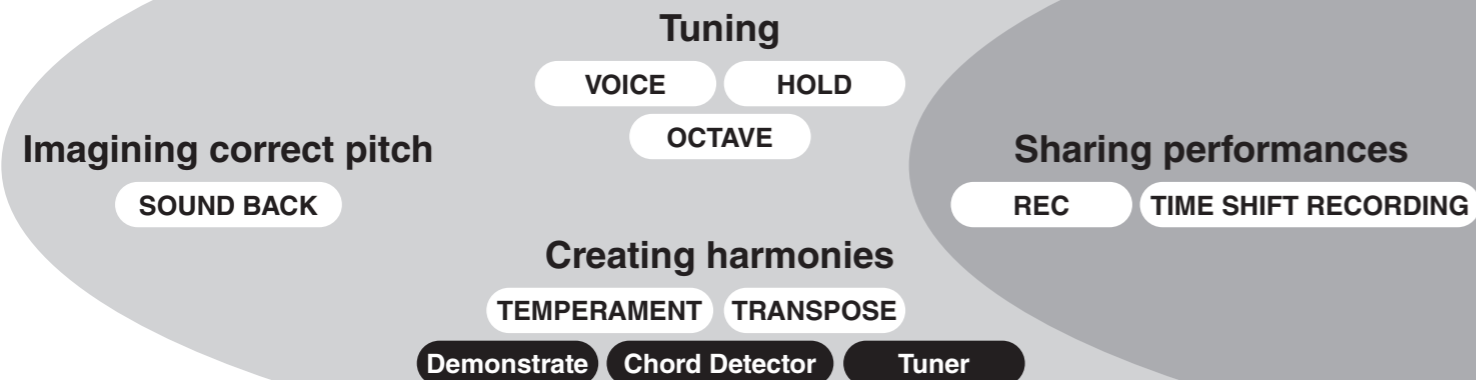
*HD-300 Assistant is an app exclusive to the iPhone/iPad.

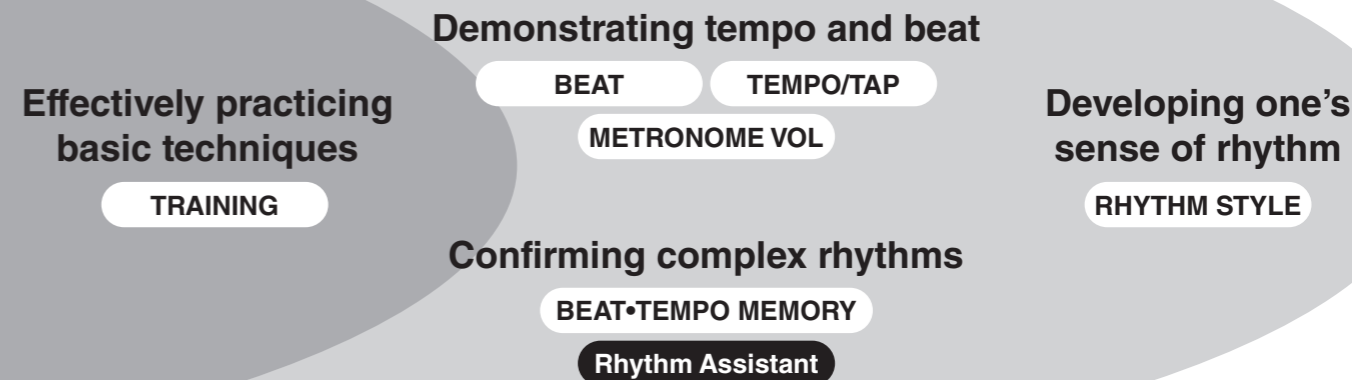**Example: Confirm chord while playing (chord detector)**

G7

D / F / B / G

Listen carefully to the sound of **G** and try playing a harmony.

# YAMAHA

# Harmony Director **HD-300 Feature Basics**

This at-a-glance introduction shows how the HD-300 features can be used in various practice situations, and provides basic instructions.

HD-300 function
HD Assistant app function

## Creating beautiful unisons and harmonies

**Keeping tempo and rhythm**

### Tuning
VOICE  HOLD
OCTAVE

### Imagining correct pitch
SOUND BACK

### Sharing performances
REC  TIME SHIFT RECORDING

### Effectively practicing basic techniques
TRAINING

### Demonstrating tempo and beat
BEAT  TEMPO/TAP
METRONOME VOL

### Developing one's sense of rhythm
RHYTHM STYLE

### Creating harmonies
TEMPERAMENT  TRANSPOSE
Demonstrate  Chord Detector  Tuner

### Confirming complex rhythms
BEAT•TEMPO MEMORY
Rhythm Assistant

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## Tuning

Use the ( VOICE ) buttons and the dial to select the desired Voice.

Use the ( HOLD ) function to continue playing notes even after you've released your finger from the keyboard.

Use the ( OCTAVE ) slider to change the octave of the keyboard sound.

▶ Owner's Manual (pages 18-19)

## Imagining correct pitch

Turn the ( SOUND BACK ) function on, and then play in the direction of the HD-300 to have it play the correct pitch for the nearest reference note for a specific period of time.

This lets you practice imagining and matching the pitch as you perform.

▶ Use Guide
  A. Training one's ability for listening and matching pitch

▶ Owner's Manual (page 29)

## Creating harmonies

Select the pure ( TEMPERAMENT ) and play a chord so that the root key is automatically detected and a pure-tempered chord sound is produced.

The ( TRANSPOSE ) buttons are useful when playing the keyboard, while using a musical score written for the transposing instrument.

▶ Owner's Manual (pages 18-21)

Using ( Demonstrate ) on the app enables you to hear minutely out-of-tune sounds (interference beats), or to sense changes in the sound of chords when the volume balance changes.

( Chord Detector ) function enables you to determine the chord from a performance, and play sounds using an onscreen keyboard. ( Tuner ) function also enables you to verify pitch on the app.

## Sharing performances

Your performance can be recorded to a USB flash drive.

The ( REC ) button is used for normal recording.

While the ( TIME SHIFT RECORDING ) function is on, you can record a performance including even up to 10 seconds before you start the recording.

▶ Use Guide
  B. Training one's ability to recognize areas needing improvement in a performance

▶ Owner's Manual (pages 26-28)

## Demonstrating tempo and beat

Using the metronome in its simple mode.
Use the [START/STOP] button to start/stop playback.

( BEAT ) : Changes the time signature.

( TEMPO/TAP ) : Changes the tempo.

( METRONOME VOL ) : The sliders adjust the volume of each note type of the metronome.

▶ Owner's Manual (pages 22-23)

## Effectively practicing basic techniques

In the ( TRAINING ) mode, you can play back the main practice pieces in the "JBC Band Method" library.

This can be used to automate the accompaniment, allowing the instructor to concentrate on listening to the student's performance when used by the instructor. It also helps students practice independently on their own when they use it.

▶ Owner's Manual (page 30)

## Confirming complex rhythms

Using the metronome function deeper.

By using the ( BEAT•TEMPO MEMORY ) function, you can set and save an irregular meter or a frequently used tempo.

▶ Owner's Manual (pages 22, 24)

Using the ( Rhythm Assistant ) function of the app enables you to create a set of rhythms of up to 2 measures by note input, and to play it on the HD-300.

## Developing one's sense of rhythm

By switching the rhythm playback mode to the ( RHYTHM STYLE ) mode from the metronome, you can play back various popular rhythms.

Rhythm styles include such as march, swing and samba. Practicing while playing back these rhythms helps develop a sense of rhythm that matches the piece.

▶ Owner's Manual (pages 22, 25)

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