



# DUO

## USER GUIDE

# Contents

<b>Introducing Duo</b>	<b>4</b>
<b>Quick Start – License Activation</b>	<b>5</b>
Activation Instructions	5
Step 1: Install Auto-Tune Central	5
Step 2: Open Auto-Tune Central and Log In	5
Step 3: Navigate to the Redeem a License Tab	6
Step 4. Install Your Plug-In	6
Step 5. Activate Your License	6
Step 6: Open Duo In Your DAW	6
Pro Tools	7
Logic Pro	7
Ableton Live	7
Cubase	7
Studio One	7
Reaper	7
Digital Performer	7
<b>Getting Started With Duo</b>	<b>8</b>
Choose the Correct Setting From the Vocal Range Menu	8
Experiment with the Variation Settings	8
Dial in the Mix	8
<b>Controls</b>	<b>9</b>
Audio Input Controls	9
Vocal Range	9
Variation Controls	9
Pitch Variation	9
Timing Variation	10
Vocal Timbre	10
Vibrato	10
Level and Pan Controls	11
Original Level	11
Double Level	11
Original Pan	11
Double Pan	11



# Introducing Duo



Doubling is one of the best techniques for fattening up a lead vocal or giving it extra depth. And **Duo** is the easiest way to enhance vocals with a realistic doubled part—automatically generated from your existing vocal.

In addition to programmable variation in pitch, timing and vibrato depth, Duo includes adjustable vocal timbre modeling, so you can create a doubled part that sounds like the same person as the lead vocalist—or like someone else entirely.

It also gives you independent control of the level and pan of the original and doubled voices, so you can craft the perfect stereo mix.

Just put Duo on your vocal track, and adjust the variation parameters and output controls to create exactly the doubling effect you're looking for. Instant doubling.

# Quick Start – License Activation

## Activation Instructions

Before we can use Duo, we need to activate our license first using the Auto-Tune Central application. Please follow the steps below, or watch our [instructional video](#) to get started:

### Step 1: Install Auto-Tune Central

Auto-Tune Central is Antares' download manager, where you can install your plug-ins and manage their activations. If you don't have it installed on your computer yet, visit our website [here](#) to download the latest installer. After downloading, run the installer.

After installation is complete, you can find Auto-Tune Central in your computer's applications folder:

#### MacOS

*/Applications*

#### Windows

*C:\Program Files\Antares Audio Technologies*

### Step 2: Open Auto-Tune Central and Log In

On the login screen in Auto-Tune Central, enter the email address and password for your Antares account.

If you purchased your plug-in license directly from our website ([antarestech.com](#)), navigate to the Plug-Ins tab to install and manage your license activations.

If your purchase was made through a third party, please follow the instructions in [Step 3](#). Otherwise, skip to [Step 4](#).

## Step 3: Navigate to the Redeem a License Tab

In the top banner of Auto-Tune Central, select "Redeem a License." Enter your 25-digit registration code, then click **Redeem and Activate**.

## Step 4. Install Your Plug-In

Click the blue **Install** button next to your license. If you have an Auto-Tune Unlimited subscription or similar plug-in bundle, you can install all of the included plug-ins with one click using the **Install All** button.

**Note:** *If an update is available for your plug-in, the blue **Install** button will be replaced with a yellow **Update** button. Click the **Update** button to install the latest version of your plug-in.*

## Step 5. Activate Your License

Click the blue **Activate** button. Each license can be activated on up to two locations simultaneously. You may activate your license onto a computer, a physical iLok dongle, or a combination of the two options.

See this [FAQ page](#) for more information on iLok license management.

After activating your license, you're ready to use your Antares plug-in(s) in your DAW!

## Step 6: Open Duo In Your DAW

Below, you'll find instructions on how to insert Duo onto a track in various compatible DAWs:

## Pro Tools

Choose an empty insert slot on one of your audio tracks, instrument tracks, or buses. Then select Duo from the pop-up menu in the “Pitch Shift” and “Effect” Categories, as well as the Antares Manufacturer list.

## Logic Pro

Choose an empty insert slot on one of your audio tracks, instrument tracks or buses and select Duo from the pop-up menu. You will find Duo in:  
*Audio Units > Antares* section (named Duo).

## Ableton Live

In either Session or Arrangement View, select the track you would like to place Duo on by clicking the track name.

At the top left of Ableton's interface, click on the Plug-in Device Browser icon. From the plug-ins list, double-click Duo, or drag it onto the track.

## Cubase

Choose an empty insert slot, for example in the Mixer, and select Duo from the menu that appears.

## Studio One

Click the '+' button next to the Inserts tab of an audio track, and select 'Duo' from the drop-down menu. Alternatively, drag and drop the plug-in from the Antares Effects folder.

## Reaper

Click the 'FX' button next to the track name of an audio track, and select 'Duo' from the EQ or Dynamics category.

## Digital Performer

In the Digital Performer Mixing Board, click an empty insert slot to open the Insert Effects list. Select Duo from the list, or use the search bar to locate it quickly.

# Getting Started With Duo

Follow these steps to get started with Duo.

## Choose the Correct Setting From the Vocal Range Menu

To optimize Duo's pitch tracking algorithm, choose the setting from the [Vocal Range](#) menu that best describes your track.

Options include Soprano, Alto/Tenor, Baritone/Bass, and Instrument.

## Experiment with the Variation Settings

Try out different settings for the [Pitch Variation](#), [Timing Variation](#), [Vocal Timbre](#), and [Vibrato](#) controls to apply different amounts of variation to the doubled voice as compared to the original input voice.

## Dial in the Mix

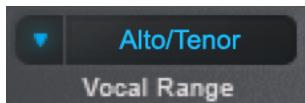
Adjust the [Level](#) and [Pan](#) controls for the original and doubled voices to get the mix you're looking for.

Be sure to put Duo on a stereo or mono-to-stereo track in your DAW to access the pan controls.

# Controls

## Audio Input Controls

### Vocal Range



The Vocal Range menu lets you select the pitch range of your track, to optimize Duo's pitch tracking algorithm.

Options include Soprano, Alto/Tenor, Baritone/Bass, and Instrument.

## Variation Controls



The **Variation Controls** let you select the amount of variation in pitch, timing, vibrato depth, and vocal timbre that's applied to the doubled voice as compared to the original input voice.

### Pitch Variation



The **Pitch Variation** control lets you select the amount of random variation in pitch applied to the doubled voice as compared to the original voice. Higher values result in greater variation.

## Timing Variation



The **Timing Variation** control lets you select the amount of random variation in timing applied to the doubled voice as compared to the original voice. Higher values result in greater variation.

## Vocal Timbre



The **Vocal Timbre** control uses throat modeling technology to apply variations in vocal quality to the doubled voice as compared to the original voice.

Positive values will lengthen the modeled vocal tract for the doubled voice, resulting in lower formant frequencies.

Negative values will shorten the modeled vocal tract for the modeled voice, resulting in higher formant frequencies.

## Vibrato



The **Vibrato** control lets you select the amount of variation in vibrato depth applied to the doubled voice.

Positive values increase the doubled voice's vibrato depth relative to the original voice.

Negative values decrease the doubled voice's vibrato depth relative to the original voice.

# Level and Pan Controls



The **Level and Pan** controls allow you to fine-tune the mix and pan positions of the original and doubled voices.

**Note:** The pan controls are only available when Duo is used on a stereo or mono-to-stereo track in your DAW. When it's used on a mono track, they will be disabled.

## Original Level

The **Original Level** control sets the level of the original input voice.

## Double Level

The **Double Level** control sets the level of the doubled voice.

## Original Pan

The **Original Pan** control sets the stereo pan position of the original input voice.

## Double Pan

The **Double Pan** control sets the stereo pan position of the original input voice.