

# Advancer

## Forward Time Shifter

Audio effect plugin by Raising Jake Studios

Advancer is a unique plugin that does the opposite of delay – it pushes sounds FORWARD in time using your DAW's latency compensation mechanism.

Advancer can be used to correct time delays due to distant microphone placement; generate “jet-plane” flanging effects exactly where and when you want the sweep; create “ghost” notes that anticipate the main sound and many, many other effects.

Advancer can be used on stereo tracks in Normal, Left/Right and Mid/Side modes for even more creative and corrective time control possibilities.

Advancer is a 64-bit VST2, VST3 and AAX plugin for Windows and “Universal Binary” VST2, VST3, AU and AXX plugin for Mac OS 10.11 or higher on Intel and Apple Silicon.

### INSTALLATION INSTRUCTIONS

Installing the Advancer plugin is simply a matter of copying and pasting the appropriate files from the Advancer purchased download to the proper folders on your computer.

All RJ Studios plugin files are double zipped. The top-level zip file (download) contains two sub-files for Mac(“dmg”) and PC (“.zip”) versions that are independently zipped. This was necessary to preserve the Pace iLok signatures for the AAX plugins for the respective OS systems. Please unzip the Mac or PC sub-files before copying the desired plugin to your folders

#### FOR PC (“x64 PC zip” folder)

To install the VST3 plugin: make sure your DAW is closed then copy the “Advancer.vst3” file from the download file and save it to your VST3 plugin folder (typically C:\Program Files\Common Files\VST3). Restart your DAW and scan the plugins folder from your DAW's plugin manager.

To install the VST2 plugin: make sure your DAW is closed then copy the “Advancer.dll” file from the download file and save it to your VST2 plugin folder (typically C:\Program Files\Steinberg\VSTPlugins). Restart your DAW and scan the plugins folder from your DAW's plugin manager.

To install the aaxplugin for Pro Tools: make sure your DAW is closed then copy the “Advancer.aaxplugin” file from the download file and save it to your Avid plugin folder (typically C:\Program Files\Common Files\Avid\Audio\Plug-Ins). The plugin will be automatically scanned/added the next time Pro Tools is opened.

#### FOR MAC (“dmg” folder)

To install the VST2, VST3 and/or AU plugins, make sure your DAW is closed then copy the

“Advancer.vst” and/or “Advancer.vst3” and/or “Advancer.component” folders from the download file and save them the VST and/or VST3 and/or Component folders on your Mac under /Library/Audio/Plugins.

NOTE: On Mac OS 10.13 and later a reboot may be required before AU plugins will show up in your DAW(s) – and is typically required for Logic Pro X.

To install the AAX plugin for Pro Tools: make sure your DAW is closed then copy the “Advancer.aaxplugin” file from download file and save it to your Avid plugin folder (typically /user/Library/Application Support/Avid/Audio/Plug-Ins). The plugin will be automatically scanned/added the next time Pro Tools is opened.

## REGISTRATION

Advancer will be operating in demo mode when first installed and will operate unrestricted for 14 days. At the end of 14 days the demo will cease output unless a license is purchased. To install your license, select and right-click “copy” the registration code from your purchase receipt then right-click on the registration field at the bottom left corner of the plugin window and select “paste”; then press enter on your keyboard. Do not try to type in the registration code as it contains special and/or hidden characters - use “copy/paste”.

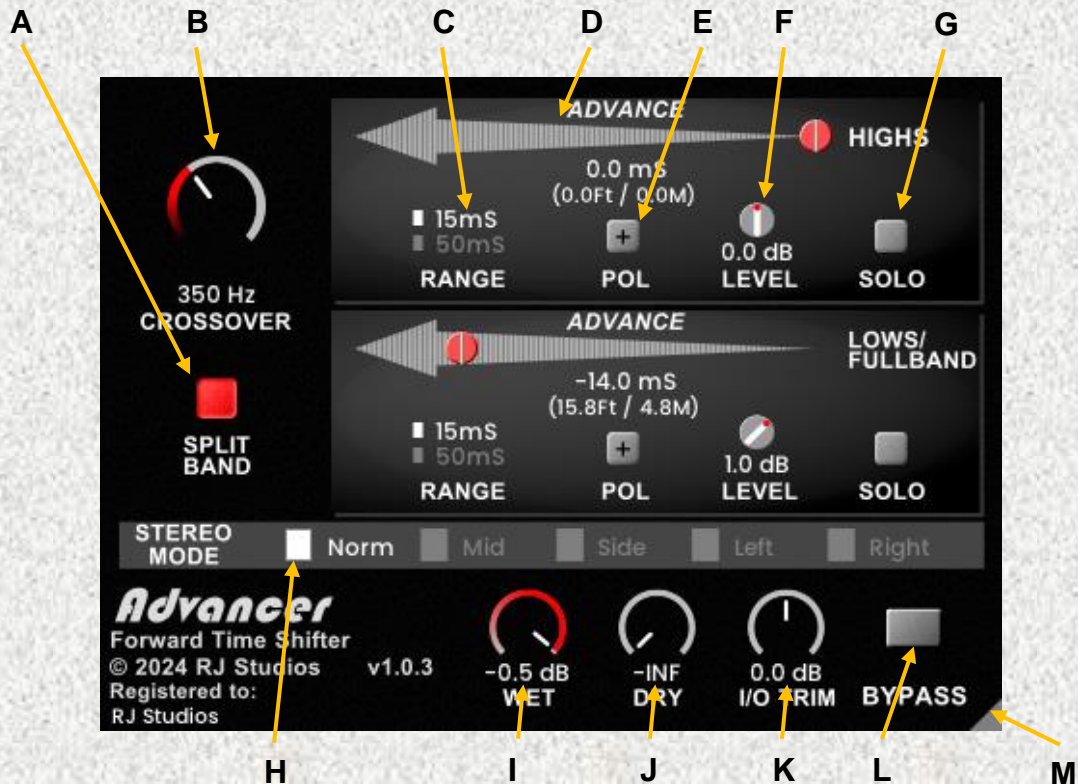
**NOTE: Internet connection is required during registration. If your system is typically isolated from the internet for security or performance reasons you may disconnect after the plugin shows “Registered to: your name”.**

NOTE: Many DAWs “cache” plugins and may not show the plugin as “Registered to: xxx” until the plugin is removed from a track or bus and re-loaded. Restarting the DAW will also refresh the plugin.

Answers to common registrations issues can be found on our [website FAQ page](#).



## Plugin Controls



**A – SPLIT BAND** – selects whether the effect applies to the entire signal or on individual high and low bands separated by a linear phase crossover as set by the **CROSSOVER (B)** control.

**B – CROSSOVER** – selects the crossover frequency of the high and low bands when in Split Band mode. The crossover is “transient perfect” Linear Phase and does not introduce phase anomalies.

**C – RANGE** – selects the total control range of the **ADVANCE (D)** control. Use the 15mS range for fine-tuning of microphone delay compensation, flanging effects, etc. Use the 50mS range when longer advancement times are required for doubling effects, creating ghost notes, etc.

**D – ADVANCE** – Sets the amount of advance time applied to the signal. Automate this control in your DAW to generate flanging and chorusing effects.

**E – POL** – sets the polarity of the signal as positive (default) or negative (180°) for corrective and creative purposes.

**F – LEVEL** – allows boosting or reducing the signal level in that band.

**G – SOLO** – allows hearing only the associated band when in split band mode. Useful to audition the crossover point and effect on that band. This control is disabled when in wideband mode.

**H – STEREO MODE** – only applies when used on stereo sources. Controls how the Advancer affects timing on stereo tracks. In NORM mode both stereo channels get the same treatment. In MID mode, only the “middle/center” of the stereo signal (mono mix, L+R) gets treated. In SIDE mode only the sides of the stereo signal (L-R) get treated. Left/Right affects only the corresponding left/right channel.

**I – WET** – sets the amount of processed signal that appears in the output signal.

**J – DRY** – sets the amount of direct/unprocessed signal that appears in the output signal.

**K – I/O TRIM** – allows adjusting the overall output level of the plugin. Normally set to 0dB but can be used to “level match” the plugin when in/bypassed if required.

**L – BYPASS** – turns plugin audio processing on/off. **This Bypass is properly buffered to prevent click/pops. Always use this control – and not your DAW’s plugin bypass control – to turn the effect processing On/Off.**

**M – GUI Resize handle** – click and drag to scale GUI up/down by +/-50%. Double-click to reset to default size.

## CONTROL MODIFIERS

- 1) Hold down the Ctrl key while dragging or scrolling any rotary or slider control for fine resolution
- 2) Hold down the Alt (Win)/Option(Mac) key and then click on any rotary or slider control to reset that control to its default value
- 3) Double-click on any rotary or slider control to type in a control value.



## HOW TO USE ADVANCER

It is recommended that Advancer be used as an “insert” for full effect on tracks and buses however it can also be used as a send effect if you wish.

### Factory Presets

Advancer comes with a selection of presets to demonstrate the various ways in which Advancer can be used. Use these presets as starting points then tailor to your needs as required.

**NOTE:** Not all DAWs support hard-coded factory presets in the VST3 version of plugins. If you are using the VST3 version of the plugin and the presets do not appear, please switch to the VST2 version.

Preset Name	Effect Action	Suggested Use
SimpleDoubler	Generates short pre-echo	Simple doubler effect for vocals guitars, etc.
GraceNote	Generates longer pre-echo similar to a “grace note”	Generate pre-echo/grace notes on snare drums, etc.
StereoWidener	Widens upper frequencies of stereo track by adding short pre-delay	Generate pseudo-stereo from mono tracks and widen stereo tracks
Haas10L	Shifts the Left channel forward by 10mS generating a widening effect (“Haas effect”)	
Haas15R	Shifts the Right channel forward by 15mS generating a widening effect (“Haas effect”)	
Kickwoof	Generates pre-delay at low frequencies adding a unique “woof” to kick drums	Effect on kick drums, toms, etc.
HighDetail	Adds short pre-delay to high frequencies bringing them forward and more pronounced	Mixing/mastering “spice”
SideDetail	Adds short pre-delay to the stereo “side” channel high frequencies bringing the sides forward and more pronounced	
MidForward	Brings the stereo “mid/center” channel forward making the middle more pronounced	
SideForward	Brings the stereo “side” channel forward making the sides/ambience more pronounced	
ManualFlange	Basic settings that can be automated to produce the classic flanging “Jet Plane” effect	Manual flanging effects using DAW automation of Low Advance and Wet mix controls.
ManualMFlange	Flanging effect applied to only the middle/center of a stereo mix	See notes below.
HighMFlange	Flanging effect applied to only the middle/center of a stereo mix	

## USING ADVANCER FOR TIME ALIGNING AUDIO TRACKS

Advancer can be used to correct timing of multiple microphones and “time align” their signals to compensate for distance from the source.

For example, a drum overhead microphone is typically 5-6 Feet (1.5-1.8 Meters) away from the snare and tom drums/microphones. This creates a time delay of approximately 5mS between the direct drum mics and what the overhead mic “hears”. This time delay can make the snare and toms sound clouded. By placing Advancer on the overhead track and setting the Advance time to -5mS the sound can be “time aligned” making the snare sound sharp and distinct. The bleed of the cymbals into the drum mics is small compared to the overhead mic so this time advancement does not significantly affect the cymbal sound.

Adjustments like this can be made by sliding/editing tracks in you DAW but those changes will need to be re-done any time new tracks are recorded and cannot be adjusted while the track is playing. Since Advancer’s time control can be adjusted at run time the offset time can be dialed in precisely by ear and can be varied at run time (via DAW automation of Advance controls).

Advancer can be used in Mastering to help align left/right offsets in stereo mixes that have been imported from tape, etc., and for “sweetening” the mix with frequency selective time adjustments.

## USING ADVANCER TO GENERATE THE CLASSIC “JET PLANE FLYOVER” FLANGING EFFECT

Advancer can be used to generate the classic “Jet Plane Flyover” flanging effect exactly where you want it and with full control over rise and fall times. To achieve this effect, insert Advancer on the desired track or bus and select one of the Manual Flanging presets. Create two plugin automation lanes in your DAW; one for the Low Band Advance time and the other for the Wet mix. Start the Advance ramp at approximately 7 or 8mS and climb to a minimum of 0mS then ramp back down as shown below. Create a similar curve for the Wet control, starting at -INF and ramping up to a peak of approximately -6 to -4dB. Place the peak of the two curves at the point where you want the “flyover” to occur. Nice flanging effects can be produced by drawing simple straight lines as shown but can be improved using Bezier curves or segments to tailor the sweep as desired.





## LICENSE INFO

By installing this software you agree to use it at your own risk. We do our best to thoroughly test our plugins before release but it is simply impossible to test every conceivable situation. We cannot be held responsible for any damages caused by use of this product. If a problem arises, please contact us with a description of the problem and as much information as you can provide (DAW, DAW version, OS and version, error messages, etc.).

### **Distribution:**

You are not permitted to distribute the software without the developer's permission. **You may register a copy on one laptop and one PC but "sharing" with others and duplication is prohibited.** Paying for the software you use helps developers like us stay in business!

**Updates:** You are entitled to free updates until the next major version number. **Please retain your purchase download link and registration key.** The developer makes no guarantee that this product will be maintained indefinitely.

### **Moving to another computer:**

To move your plugin to another computer you can "De-Register" the plugin using our De-Register app that can be download anytime from our [FAQ webpage](#).

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