NoteWarp Setup Guide for Logic Pro

Overview

NoteWarp Master in Logic Pro requires special configuration because Logic strictly categorizes AU plugins:

- **Audio Units (AU)** cannot be loaded in MIDI FX slots
- **AU MIDI-controlled Effects** cannot process audio input

Since NoteWarp Master needs both (Audio for Transcription + MIDI Output), there are two setup options:

Option	Advantages	Disadvantages
Option A: With Receiver	Simple, reliable	Two plugin instances needed
Option B: IAC Driver	Single plugin	More complex configuration

Recommendation: Option A (NoteWarp Receiver) for most users.

> ⚠️ **IMPORTANT - Stereo Channels Required:** NoteWarp Master works in Logic **ONLY on Stereo Channels**. If you try to load NoteWarp Master on a Mono channel, it won't appear in the plugin list!

This instruction might not be perfect. Contact me if something is wrong or you have a better idea.

Prerequisites

- NoteWarp Master AU installed: *`/Library/Audio/Plug-Ins/Components/NoteWarp Master.component`*
- NoteWarp Receiver AU installed: *`/Library/Audio/Plug-Ins/Components/NoteWarp Receiver.component`*
- Logic Pro X 10.5 or newer

Option A: Setup with NoteWarp Receiver (recommended)

▸ Step 1: Create Audio Track for NoteWarp Master

- Open Logic Pro and create or open a project
- Create a new **Audio Track** (Option + Cmd + A)
- Configure Audio Input (for Transcription) if desired

▸ Step 2: Add NoteWarp Master as Audio Insert

- In the **Channel Strip** (left side or Mixer)
- Click on an **Audio FX** slot
- Navigate to: **Audio Units** -> **ivoschi** -> **NoteWarp Master**
- NoteWarp Master opens

▸ Step 3: Create Software Instrument Track for Synth

- Create a new **Software Instrument Track** (Option + Cmd + S)
- Load your preferred instrument (Alchemy, Kontakt, etc.)

▸ Step 4: Add NoteWarp Receiver as MIDI FX

- On the **Instrument Track**
- Click on the **MIDI FX** slot (above the instrument)
- Navigate to: **AU MIDI-controlled Effects** -> **ivoschi** -> **NoteWarp Receiver**

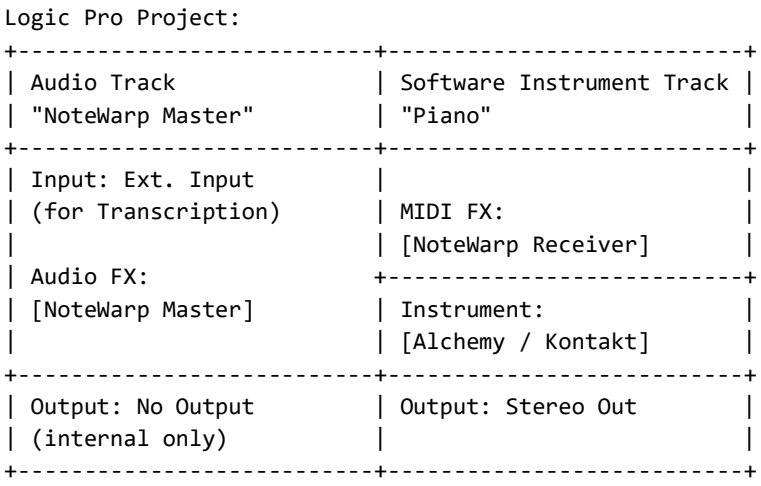
▸ Step 5: Configure Connection

- Open the NoteWarp Master plugin window (Audio Track)
- In the Generations Panel: Select the Receiver as output target
- Receiver should automatically connect

▸ Step 6: Test

- Record MIDI or use transcription in NoteWarp Master
- Generate a variation
- Click on the variation to play
- You should hear the synth on the Instrument Track

📊 Visual Diagram (Option A)



Signal Flow (Option A)

```
Audio Input (optional, for Transcription)
         |
         v
Audio Track: NoteWarp Master (Audio Insert)
         | - Recording via MIDI Keyboard
         | - Transcription
         | - Variation Generation
         |
         | Internal Routing
         v
Instrument Track: NoteWarp Receiver (MIDI FX)
         |
         v
Instrument Track: Synth (Alchemy, etc.)
         |
         v
Audio Output
```

Option B: Setup with IAC Driver (advanced)

If you want to work without the Receiver, you can use the macOS IAC Driver.

Step 1: Enable IAC Driver

- Open **Audio MIDI Setup** (Applications -> Utilities)
- Show MIDI Studio (Window -> Show MIDI Studio)
- Double-click on **IAC Driver**
- Enable **"Device is online"**
- Click **"+"** to add a port (e.g., "NoteWarp Master Bus")
- Click "Apply"

Step 2: Configure NoteWarp Master

- In NoteWarp Master: Go to Settings
- Set MIDI Output to: **IAC Driver - NoteWarp Master Bus**

Step 3: Configure Logic Track

- Create a **Software Instrument Track**
- In Track Inspector: Set **MIDI Input** to: **IAC Driver - NoteWarp Master Bus**
- Load your instrument

Step 4: Test

- Variations should be routed to the instrument via the IAC Driver

Troubleshooting

Problem	Solution
NoteWarp Master not in Audio Units	Logic Pro -> Preferences -> Plug-in Manager -> Rescan
NoteWarp Master doesn't appear on track	Track must be STEREO (not Mono!)
NoteWarp Master not in MIDI FX	NoteWarp Master is an audio plugin - use Audio FX slot + Receiver
Receiver not connected	NoteWarp Master must be loaded first
No sound	Enable Instrument Track Monitor
No sound	Select Receiver as output in NoteWarp Master
Plugin functions limited	File > Project Settings > General > Disable "Only load plug-ins needed for project playback"
IAC Driver not visible	Open Audio MIDI Setup and enable IAC Driver
Latency with IAC	Normal - IAC adds ~3-5ms latency

MIDI Recording in Logic

With Receiver:

- Arm the Instrument Track (R-Button)
- Start Logic recording
- Play a variation in NoteWarp Master
- MIDI is recorded

▸ Drag & Drop:

- Drag MIDI directly from NoteWarp Master
- Drop it onto a track in Logic

Multi-Track Routing

For different variations to different synths:

```
Audio Track: NoteWarp Master
         |
         +---> Instrument Track 1: Receiver + Bass
         |
         +---> Instrument Track 2: Receiver + Lead
         |
         +---> Instrument Track 3: Receiver + Pad
```

Logic-Specific Tips

- **Stereo Channels:** Always create Stereo Audio Tracks for NoteWarp Master
- **MIDI FX Slot** is only available for Software Instrument Tracks
- **Record MIDI to Track Here** (right-click on MIDI FX) works from Logic 10.7.5
- The Audio Track with NoteWarp Master can be set to **No Output** (MIDI goes internally to Receiver)
- **Enable Low Latency Mode**: Mix > Low Latency Mode (for better timing)
- **Check Project Settings:** If features are missing, disable "Only load plug-ins needed for project playback" under File > Project Settings > General

Known Limitations in Logic

- **No direct Audio→MIDI**: Logic doesn't automatically route MIDI from audio plugins
- **AU Categories**: NoteWarp Master cannot be in MIDI FX slot (only Receiver)
- **IAC Latency**: When using IAC Driver, ~3-5ms additional latency

Support

Contact: ivo@notewarp.de

References

- [Apple Support - Use MIDI Plug-ins in Logic Pro](https://support.apple.com/guide/logicpro/use-midi-plug-ins-lgcef1c11e8f/mac)
- [Apple Support - IAC Driver](https://support.apple.com/guide/audio-midi-setup/transfer-midi-information-between-apps-ams1013/mac)