

Setup and Troubleshooting Checklist

Support-ready diagnostics for standalone mode, VST3 host mode, private models, soundbanks, engine routing, stage-gated controls and emergency audio reset.

IUS DX-1 documentation. Version 0.5.2.17.

Public-facing user guidance. No source code, protected formulas, model internals, or research algorithms are disclosed.

Setup checklist

STANDALONE MODE

CHECK	PASS CONDITION	ACTION IF FAILED
Audio device	The correct output device is selected.	SETUP > Open Device Panel, choose output, refresh, then test again.
MIDI input	Controller appears and is enabled if needed.	Enable the controller in the device panel or OS MIDI setup.
Sample rate and buffer	Stable playback without crackles.	Use a safer buffer size; avoid overloaded sample rates on weak hardware.
Master output	Meters move and Master Out is not at silence.	Raise Master Out and track gain gradually.
Sound engine		Switch to Synthetic for initial diagnosis.

CHECK	PASS CONDITION	ACTION IF FAILED
	Synthetic or Hybrid plays without requiring an imported bank.	

PLUG-IN AND DAW MODE

CHECK	PASS CONDITION	ACTION IF FAILED
Plug-in loaded	The VST3 appears on an appropriate instrument and MIDI track.	Rescan plug-ins or confirm the VST3 install path.
Track monitoring	The DAW track can output audio.	Enable monitoring or route the track to the master bus.
Host sync	Tempo follows the DAW when Host Sync is on.	Start the DAW transport and confirm project tempo.
MIDI and audio input	ENGINE receives the intended source.	Route input to the plug-in track; arm the track if the DAW requires it.
Bounce and export	The DAW captures the plug-in output.	Use the DAW's bounce and export and render command unless your build exposes a dedicated export command.

Symptom checklist

SYMPTOM	LIKELY CAUSE	FIX PATH
No sound after generation	Muted and disabled mix, wrong output, low gain, or missing audio route.	Check mix enable and arm, Mute and Solo, track gain, Master Out, audio device and DAW routing, then switch to Synthetic.

SYMPTOM	LIKELY CAUSE	FIX PATH
Only some mixes play	Solo and mute state or disabled mix strip.	Clear solo and mute or enable the intended mix strip.
Samples do not play	Soundbank missing, registry stale, or mapping failure.	LAB > Verify Installed Banks; rebuild registry; use Hybrid and Synthetic while fixing the bank.
Engine buttons are locked	Workflow stage is incomplete.	Capture before analyzing; analyze before Brain generation; generate source before full-track source-dependent actions.
Full-track build fails	Missing source material or invalid groove profile.	Generate Mix A to Mix E first, choose current and selected mix source, or complete groove profile.
ARRANGE waveform missing	Render and cache not available.	Use Render Selected or Render Dirty; confirm soundbank availability if audio render is required.
Imported bank warns	Unknown license, missing checksum, missing samples, or mapping issue.	Do not use for release; review source and license; replace missing files; verify again.
Private model unavailable or not armed	The model is not downloaded, not verified, missing an adapter, missing a runtime dependency, or not armed.	Open LAB > Private Models, select the model, complete Download / Install, run Verify and Smoke Test, then ARM MODEL. If the status lists a missing runtime or dependency, install that requirement and refresh.
Timing feels too loose	Humanize and swing and density and pocket settings too strong.	Reduce Humanize and Swing, reset timing, or use Groove Lock after a good map.
Output distorts	Too much gain or FX and bus drive.	Lower track gain, FX wet amounts, Drive and Bus, Master Out; keep Limiter enabled.
Shortcuts fail	Keyboard focus is inside a field or the host.	Click the editor background and grid and try again.

Support handoff information

When contacting support or preparing an internal issue report, collect the information below. Do not send private source code, licensed third-party samples, or protected research files unless specifically authorized by your support agreement.

INFORMATION	WHY SUPPORT NEEDS IT
Product version	Confirms the exact build and feature set.
Operating system and DAW	Separates standalone, plug-in, and host-specific issues.
Standalone or VST3 mode	Device ownership and routing differ.
Sound engine mode	Synthetic, Samples, and Hybrid diagnose different layers.
Active soundbank and verification status	Identifies missing bank, mapping, or licensing problems.
Selected private model and runtime status	Identifies whether the selected model is downloaded, verified, smoke-tested, armed, and connected to the required adapter or runtime.
Exact page and button state	Shows whether stage gating or a failed prerequisite is involved.
Visible status message	IUS DX-1 status text often states the blocking condition.
Steps to reproduce	Allows the issue to be tested reliably.

Private model troubleshooting

MODEL STATE	MEANING	CUSTOMER ACTION
Available online	The catalog entry is visible and can be downloaded or imported.	Select it in LAB and use Download / Install, or add your own online/local model.
Not installed	The model files are not present locally.	Download the model, import a local folder, or choose another installed model.
Verify required	The files are present but have not been checked.	Run Verify and review any checksum, manifest or file warnings.
Smoke test required	The model is installed but the adapter/runtime has not been tested.	Run Smoke Test. Install any missing adapter, Python package, sidecar runtime or hardware dependency named in the status message.
Not armed	The model is selected but generation is not routed to it.	Press ARM MODEL and confirm the right-side status says Armed.
Runtime error	The model started to load or run but a technical dependency failed.	Copy Diagnostics and check the missing dependency, model path, adapter, Python runtime or GPU/CPU requirement.

External model notes are informational. IUS DX-1 does not decide which compatible model you are allowed to use. It reports the technical state so you can choose, install, verify and run models responsibly.

Emergency audio reset

1. Press STOP.

2. Press PANIC if notes or playback appear stuck.
3. Lower Master Out and track gains.
4. Disable extreme FX or return Dry and Wet controls to conservative positions.
5. Turn off solo and mute states unless intentionally used.
6. Switch to Synthetic engine to verify the core output path.
7. In standalone mode, reset the audio device. In plug-in mode, use the DAW device and routing preferences.