
DIHWorld Audio Complete Manual

Current authority: 2026-08-20

One current guide for the 42-plugin, 13-family system. This is the product-use manual: what each plugin does, its core controls, and where it belongs.

Current customer formats: macOS: Audio Unit (AU) and VST3; Windows beta: VST3 x64. Use only the formats named by the installer you received.

DIHMOTION is retired from the current system and replaced by NSR. GOLD is the DIHWorld microphone; Golden is a separate DMI Track synth.

Routing law: begin bus auditioning near -18 dB, with -14 to -10 dB common after matching. Keep no more than three active processors on a track or bus. SESHAT may follow as observation only. For full bus templates, the 42-plugin placement schematic, and dynamics/sidechain routing, see [DIHWorld_Routing_Quick_Reference_CURRENT.pdf](#) and [ROUTING_PLACEMENT_CANON.md](#).

For every plugin below: start from reset or a purpose-matched preset, bypass-match, and adjust one control at a time.

For full parameter ranges, DSP behavior, and engineering detail, see the companion [DIHWorld_Audio_Complete_Reference_CURRENT.pdf](#) (Technical Reference). For a single family's paired user and technical manuals, see that family's documentation folder.

VOCAL MIC SOURCE User Manual

Current: 2026-08-01

Purpose: Vocal, microphone, and source-tone shaping. Build or protect the source before downstream color, dynamics, and spatial processing.

Included products: GOLD, SILVER, WPR, Aegis Nova, TRIPLER, EchoLocate

Recommended route: Lead vocal: GOLD -> AEGIS NOVA -> SILVER. Background vocal: GOLD -> TRIPLER -> EchoLocate.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

GOLD

Master-series microphone voicing that combines source-array blend with silver air, copper body, iron weight, gold presence, platinum authority, and nickel focus.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Gain Match
- Source / Mic Array
- Ag Air
- Cu Body
- Fe Weight
- Au Presence
- Pt Authority
- Ni Focus

SILVER

Precision microphone voicing for truth, focus, grounding, air, and transient definition with protected input, mix, and output control.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Gain Match
- Truth Field
- Precision
- Ground
- Air
- Transient
- Output
- Input
- Mix

WPR

Phi ribbon microphone channel with transformer family, core material, winding, lamination, polar pattern, ribbon mass, proximity, and magnetic behavior.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Transformer
- Ribbon Tone
- Ribbon Mass
- Side Width
- Polar Focus
- Output Trim
- Air Edge
- Ribbon Blend
- Proximity
- Additional controls are mapped in the family technical manual.

Aegis Nova

Vocal shield for plosive and sibilance control with a restrained drive stage and parallel mix.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Gain Match
- Power
- Plosive
- Sibilance
- Drive

- Mix

Meter and visualizer guide

Display	What it measures	How to read it
INPUT	Incoming peak activity	Confirms source level reaching the shield.
NOVA	Detected plosive/sibilant activity	More light means stronger shield intervention.

TRIPLER

Three-voice vocal harmonizer with key, scale, chord, pitch correction, voice gain, pan, fine tune, and Phi field control. The current left/right voices use the repaired high-quality overlap-add pitch path for clean stereo harmonies.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- DIATONIC
- CHORD
- KEY
- SCALE
- L_GAIN
- R_GAIN
- C_GAIN
- L_PAN
- R_PAN
- Additional controls are mapped in the family technical manual.

Sidechain and wave guide

- The repaired left and right harmony voices use higher-quality overlap-add processing and fractional-bin interpolation. They should remain clean at their default voice levels; reduce voice gain only for blend, not as a distortion workaround.

EchoLocate

Three-position source-placement processor for spread, drift, microphone gain, proximity, pan, and reflected-space mix.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- MODE
- SPREAD
- DRIFT
- MIX
- MIC1_GAIN
- MIC2_GAIN
- MIC3_GAIN
- MIC2_PROX
- MIC3_PAN
- Additional controls are mapped in the family technical manual.

DYNAMICS GUARD User Manual

Current: 2026-08-01

Purpose: Envelope, transient, pressure, and containment control. Control entry, impact, sustain, and pressure without hiding the source.

Included products: ANUBIS, OTIS, DEBO, LOOKOUT

Recommended route: Use on individual tracks or buses according to Smart Position. DEBO may be used for parallel impact.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

ANUBIS

Dynamics gate and guard with threshold, ratio, attack, hold, release, range, a named stereo host Sidechain bus, independent Sidechain Key and Sidechain Duck operation, protected I/O, and parallel mix.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Input
- Mix
- Output
- Power
- Threshold
- Ratio
- Attack
- Hold
- Release
- Additional controls are mapped in the family technical manual.

Sidechain and wave guide

- Sidechain Key: route a kick, vocal, guide track, or other key signal to the named stereo Sidechain bus, then enable Sidechain Key. The key drives detection only and is not mixed into the output.
- Sidechain Duck: enable Duck when the routed sidechain should push the main program down. Key and Duck are independent controls; with neither enabled, ANUBIS detects from the main input.
- Wave colors: yellow/gold means coherent center energy and mono-safe passage; purple means stereo width or phase spread; red means anti-phase or threshold-danger behavior that should be corrected or eased.

Meter and visualizer guide

Display	What it measures	How to read it
IN	Main-input RMS energy	Shows the program feeding the gate.
GATE	Current gate passage gain	OPEN is full passage; lower values mean attenuation.
KEY	External sidechain RMS energy	Moves only when a host sidechain is routed.
DUCK	Sidechain-driven gain reduction	More fill means deeper ducking of the main signal.
OUT	Post-gate RMS energy	Compare with IN to judge actual attenuation.
Transfer graph	Threshold, envelope, and Range floor	Shows where the signal opens and how far closure may fall.

Display	What it measures	How to read it
Correlation waves	Left/right phase relationship	Gold is coherent, purple is spread, red warns of anti-phase risk.

OTIS

3-6-9 macro dynamics processor: Micro Peak controls short events, Meso Density shapes body, and Macro Level governs the long envelope.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Micro Peak
- Meso Density
- Macro Level
- Makeup Gain
- Gain Match

Meter and visualizer guide

Display	What it measures	How to read it
INPUT	Input peak in dB	Confirms level feeding all three time scales.
RESPONSE	Strongest active 3/6/9 reduction	Shows the greatest current reduction across Micro, Meso, or Macro.
OUTPUT	Output peak in dB	Use with INPUT and Gain Match for fair comparison.
3 / Micro activity	Fast transient reduction	Responds to short peaks and front edges.
6 / Meso activity	Body and phrase-density reduction	Responds to medium-duration energy.
9 / Macro activity	Long-envelope reduction	Responds to sustained level movement.

Current factory programs detected

- OTIS PRESET

DEBO

Pressure-activated dynamics processor with nine updated canonical programs using the restored iCloud names. The approved powered-on default is unchanged; the named bank uses a warmer depth/pressure progression without runtime preset clamping, topping out at 2.2 dB Maximize.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Power
- Flower of Life
- Gain Match
- Input
- Drive
- Maximize
- Depth
- Clarity
- Output

Sidechain and wave guide

- Use VOCAL HOLD as the tonal reference for the bank. The nine updated canonical programs restore the iCloud names and progress from restrained control to stronger pressure without flattening their musical differences.
- The presets are intentionally not runtime-clamped. RED LINE WATCH is the strongest factory stage at 4.2 dB Maximize.

Meter and visualizer guide

Display	What it measures	How to read it
RMS	Sustained signal body	Shows average energy driving the pressure model.
GUARD PRESSURE	Combined density/containment demand	Higher values mean DEBO is working harder.
PEAK	Fast peak relative to ceiling	Approaching the top warns of limited remaining space.
GOVERNOR	Gain held back by protection	More activity means stronger safety containment.
Pressure window / face	RMS-driven pressure stage	The visual advances with real pressure; red is the ceiling warning state.

Current factory programs detected

- NO BRICKS [Stereo]; VOCAL HOLD [Stereo]; BRICK TAP [Stereo]; WALL PRESSURE [Stereo]; SHOULDER CHECK [Stereo]; NO SCISSORS [Stereo]; BREAKTHROUGH [Stereo]; RED LINE WATCH [Stereo]; PHI GUARD [Stereo]

LOOKOUT

Dual-envelope transient/sustain shaper. Attack and Sustain directly move the level of the transient and sustain portions of the signal, up to +/-18 dB each, ahead of the DIH tone-color stage. Its Eye of Heru state also gives live advisory guidance on transient/sustain balance while it shapes.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Power
- Attack
- Sustain
- Gain Match

Meter and visualizer guide

Display	What it measures	How to read it
Transient	Detected front-edge energy	Use to judge whether Attack is emphasizing or restraining hits.
Sustain	Detected body and tail energy	Use to judge Sustain changes to ring, room, and body.
Alert	Potential transient/sustain imbalance	Higher values suggest the balance needs attention.
Miss	Underrepresented event energy	Indicates material that may be disappearing.
Stress	Over-concentrated envelope pressure	Reduce shaping intensity when stress remains high.
Composure	Stable transient/sustain balance	Higher is calmer and more controlled.
Eye of Heru	Combined advisory state	It reports balance; it does not move controls automatically.

Current factory programs detected

- NEUTRAL SENTINEL [Stereo]; VOCAL FRONT GUARD; DRUM SNAP LOCK; KICK BODY ANCHOR; PERCUSSION EDGE; ROOM TAIL WATCH; MIX BUS COMPOSURE; FINAL PEAK SENTINEL

BASS LOW END User Manual

Current: 2026-08-01

Purpose: Bass, sub, foundation, and low-end transformation. Build weight and depth while retaining definition, placement, and controlled output.

Included products: MARIANA, MONOLITH, Depth Boost Pro, NTRPL

Recommended route: Bass route: MARIANA -> NTRPL -> MONOLITH. Depth Boost Pro is an optional focused stage.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

MARIANA

Sub and foundation processor with depth, sub pressure, kick definition, target mode, parallel mix, and an optional kick-key sidechain that ducks only MARIANA's added low-end layer.

Preferred placement: Low End Source. Use on bass, sub, kick, or another low-end source before the shared low-end bus.

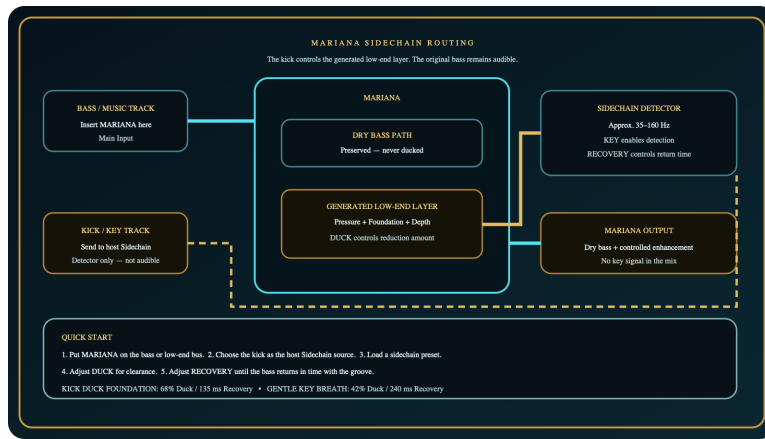
Core controls

- Power
- Depth
- Sub Pressure
- Foundation
- Kick Define
- Target Mode
- Input
- Mix
- Gain Match
- Additional controls are mapped in the family technical manual.

Sidechain and wave guide

- Route the kick or other low-frequency guide to the host's named Sidechain input, then enable KEY. The key is detector-only and never enters MARIANA's audible output.
- DUCK sets how much of MARIANA's generated pressure/foundation layer moves out of the kick's way. RECOVERY sets how quickly that added layer returns. The dry bass path is preserved.
- KEY is off by default for the original 14 programs. KICK DUCK FOUNDATION and GENTLE KEY BREATH enable KEY and load purpose-matched DUCK/RECOVERY values. With KEY off, or with no sidechain routed, MARIANA follows its original signal path with no sidechain reduction.

Sidechain routing schematic



MARIANA sidechain routing

The dashed gold route is detector control only; it never enters the audible output.

Meter and visualizer guide

Display	What it measures	How to read it
DEPTH	Current trench-depth control state	Higher values extend the added low-end field deeper.
PRESSURE	Current sub-pressure control state	Higher values add more low-frequency pressure.
FOUNDATION	Current sustained-foundation control state	Higher values add more continuous low-end support.
IMPACT	Current kick-definition control state	Higher values preserve more front-edge definition.
LOW ENERGY	Detected low-frequency program energy	Shows the bass energy entering MARIANA's field.
BEDROCK	Detected sustained foundation energy	Shows the slower body underneath transient bass events.
KEY	Detected 35-160 Hz sidechain energy	Moves only when KEY is enabled and a host sidechain is routed.
DUCK GR	Reduction of MARIANA's added low-end layer	More activity means the external key is clearing more generated pressure; dry bass remains audible.

Current factory programs detected

- MARIANA SWEET SPOT; LOW GRAVITY CLEAN; WARM SUBFIELD; SUB WEIGHT; DEEP PRESSURE; ABYSSAL FIELD; TRENCH FLOOR; GENTLE FINISH; OCEAN FLOOR; SUB ENHANCED; KICK PRESSURE; ABYSS BLOOM; TIDAL TRACE; SHALLOW CURRENT; KICK DUCK FOUNDATION; GENTLE KEY BREATH

MONOLITH

Low-end impact and body shaper with excavation, weight, resonance, reverse motion, drive, balance, and an optional kick-key sidechain that clears only the added stone/weight layer.

Preferred placement: Low End Source. Use on bass, sub, kick, or another low-end source before the shared low-end bus.

Core controls

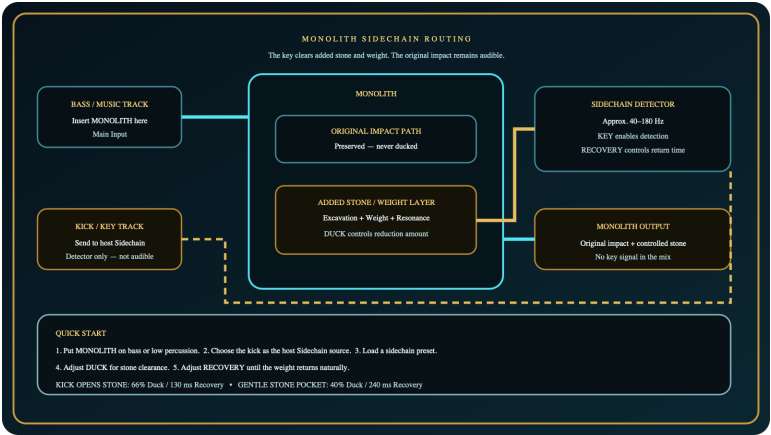
- gate
- input
- output
- gainmatch
- excavation
- impact
- weight
- resonance

- reverse
- Additional controls are mapped in the family technical manual.

Sidechain and wave guide

- Route the kick or low-frequency guide to the host's named Sidechain input, then enable KEY. The external key is detector-only and never enters the audible output.
- STONE DUCK moves only MONOLITH's added excavation, weight, and resonance layer aside; RECOVERY controls its return. Original input impact is preserved.
- KICK OPENS STONE loads 66 percent Duck / 130 ms Recovery. GENTLE STONE POCKET loads 40 percent Duck / 240 ms Recovery. All earlier programs keep KEY off.

Sidechain routing schematic



MONOLITH sidechain routing

The dashed gold route is detector control only; it never enters the audible output.

Meter and visualizer guide

Display	What it measures	How to read it
INPUT / OUTPUT	Live pre/post level	Use for bypass and level matching.
IMPACT	Low-end transient activity	Shows the punch component being produced.
WEIGHT	Sustained low-frequency body	Shows foundation rather than peak attack.
RESONANCE	Active resonant low-end energy	Persistent high readings warn of ringing.
REVERSE	Reverse-motion contribution	Shows how strongly the reverse path is active.
Monolith field	Combined low-end activity map	Reactive summary, not a spectrum analyzer.
KEY	Detected 40-180 Hz sidechain energy	Moves only when KEY is enabled and a host sidechain is routed.
STONE DUCK	Reduction of the added stone/weight layer	The original input impact remains outside this reduction.

Current factory programs detected

- MONOLITH PHI IMPACT; MONOLITH TRANSIENT STONE; MONOLITH BODY WEIGHT; MONOLITH SHAPE IMPACT; MONOLITH BUS CARVE; MONOLITH GATEWAY; KICK OPENS STONE [Stereo]; GENTLE STONE POCKET [Stereo]

Depth Boost Pro

Focused low-end depth extension built on delay-based mid/side field placement. Primary role is low-end depth and width; secondarily it is a spatial gain stage, with a dedicated Spatial Gain control (0 dB down to -12 dB) applied after the depth field, plus protected input trim.

Preferred placement: Low End Source. Use on bass, sub, kick, or another low-end source before the shared low-end bus.

Core controls

- Input Trim
- Gain Match
- Spatial Depth
- Spatial Gain

Meter and visualizer guide

Display	What it measures	How to read it
Touch sphere	Depth field plus live level	Water motion follows field/level activity; sphere position remains the output control.
Spatial field	Depth, field energy, and motion	A reactive placement view, not a calibrated spectrum.

NTRPL

Low-end transformation engine for rewrite map, novelty, interval motion, contour, shape, space, originality guard, and an optional kick-key sidechain that clears only the generated rewrite layer.

Preferred placement: Low End Source. Use on bass, sub, kick, or another low-end source before the shared low-end bus.

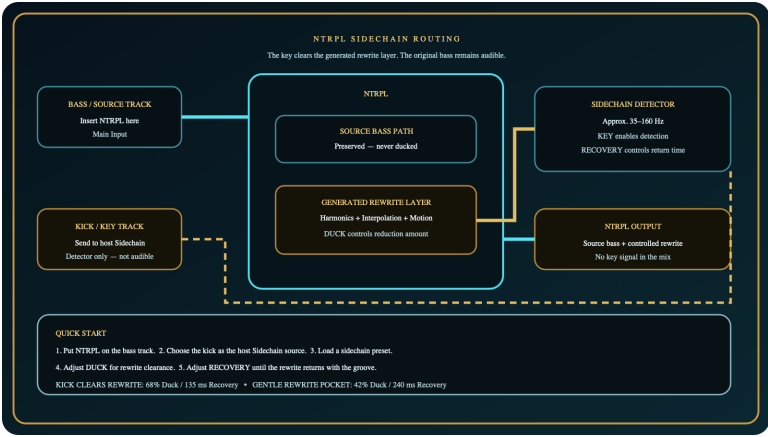
Core controls

- Power
- Gain Match
- Rewrite Map
- Novelty
- Chord Rewrite
- Motion
- Interval Distance
- Contour
- Shape
- Additional controls are mapped in the family technical manual.

Sidechain and wave guide

- Route a kick or other low-frequency guide to the host's named Sidechain input, then enable KEY. The external key drives detection only and is never mixed into NTRPL's output.
- DUCK controls how far the generated rewrite layer moves aside; RECOVERY controls how quickly that rewrite returns. The source bass path is preserved.
- KICK CLEARS REWRITE loads 68 percent Duck / 135 ms Recovery. GENTLE REWRITE POCKET loads 42 percent Duck / 240 ms Recovery. All earlier programs keep KEY off.

Sidechain routing schematic



NTRPL sidechain routing

The dashed gold route is detector control only; it never enters the audible output.

Meter and visualizer guide

Display	What it measures	How to read it
SOURCE	Original input contribution	Shows how much source survives into the main route.
REWRITE	Generated harmonic-rewrite activity	Shows the newly synthesized low-end material.
ALT OUT	Alternative new-signal output	Always represents the generated signal path.
MAIN	Final blended output	Use against SOURCE for level and blend context.
Harmonic Rewriter	Live input-to-output contour	Shows source energy changing into rewritten energy.
Rewrite Map	Novelty, chord, interval, contour, motion, space, guard, and mix state	A live process map; it is not a frequency analyzer.
KEY	Detected 35-160 Hz sidechain energy	Moves only when KEY is enabled and a host sidechain is routed.
REWRITE DUCK	Reduction of the generated rewrite layer	The source bass path remains outside this reduction.

Current factory programs detected

- KICK CLEARS REWRITE [Stereo]; GENTLE REWRITE POCKET [Stereo]

DRUM INSTRUMENT User Manual

Current: 2026-08-01

Purpose: Drum creation, sampling, sequencing, and impact placement. Create and shape drum material, then establish the musical impact and crowd-response field.

Included products: DIH Drum Morpher, BALLPARK, DrumKrushGlue

Recommended route: Drum route: DIH Drum Morpher -> Ballpark -> DrumKrushGlue.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

DIH Drum Morpher

Sixteen-pad drum sampler and host-synced sequencer with sample loading, pad shaping, restored factory programs, pattern memory, capture, morph, and performance controls. The current AU is registered and uses smoothed output normalization.

Preferred placement: Instrument Track / Drum Source. Load as a drum instrument, then route its output through Ballpark and DrumKrushGlue when that chain serves the production.

Core controls

- 16 velocity-sensitive pads and MIDI notes
- WAV, AIFF, CAF, and MP3 sample loading
- Volume, pitch, morph, filter, punch, air, and ADSR per pad
- Host tempo, swing, grid rate, steps, play, and record
- Global morph, metamorphosis, momentum bend, governor, and ceiling
- Sampler capture, playback, and transfer to pad
- Sixteen per-pad mute toggles for isolating or removing kit voices

Sidechain and wave guide

- The current Audio Unit is registered for Logic, includes the restored factory program bank, and uses a prepared, per-sample output-normalization ramp for smooth level transitions.

Meter and visualizer guide

Display	What it measures	How to read it
L / R output	Left and right output activity	Confirms stereo drum output and imbalance.
GOVERNOR	Output containment activity	More activity means protection is holding energy back.
MORPH	Current metamorphosis activity	Shows how strongly the active pads are transforming.
Pad waveform	Loaded sample amplitude over time	Use to identify attacks, tails, and silence in each pad.

BALLPARK

Drum impact and placement processor whose base progression and hit calls turn performance energy into an audible stadium-response field.

Preferred placement: Drum Track / Drum Bus. Use as a drum instrument and impact-placement stage before DrumKrushGlue.

Core controls

- Base mode and crowd-response progression
- Mound gain and switch-hitter transient mode
- Drive, depth, width, focus, clarity, mix, and convergence
- Input, RMS, peak, gain-reduction, and ceiling meters
- Foul, walk, single, double, triple, and home-run hit calls

Meter and visualizer guide

Display	What it measures	How to read it
IN	Input level	Confirms drum energy entering the stadium model.
GR	Gain reduction	Shows active impact containment.
OUT	Output level	Use with IN for level matching.
RMS / PEAK	Body level and fast peak	Their separation describes drum crest and punch.
Ceiling score / hit call	Composite impact, control, and ceiling score	Walk through Home Run describes response intensity, not sports prediction.

Current factory programs detected

- ON; GAN

DrumKrushGlue

Bus-preferred drum cohesion stage for binding hits into one controlled impact field, with an optional kick-key sidechain that opens a pocket only in its added weight and glue layer.

Preferred placement: Drum Bus / Parallel Drum Impact Return. Use on the drum bus or a parallel drum-impact return after Drum Morpher and Ballpark when the kit needs adhesive impact.

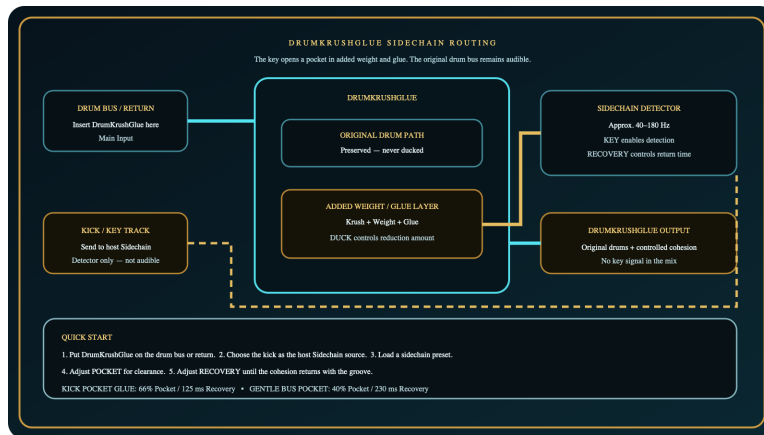
Core controls

- Power
- Gain Match
- Sidechain Key
- Pocket Duck
- Key Recovery

Sidechain and wave guide

- Route a kick or other guide to the host's named Sidechain input, then enable KEY. The sidechain controls the pocket detector only and is never mixed into the drum bus.
- POCKET moves only the added Krush/Weight/Glue contribution aside; RECOVERY controls how quickly cohesion returns. The original drum path remains audible.
- KICK POCKET GLUE loads 66 percent Pocket / 125 ms Recovery. GENTLE BUS POCKET loads 40 percent Pocket / 230 ms Recovery. All earlier programs keep KEY off.

Sidechain routing schematic



DrumKrushGlue sidechain routing

The dashed gold route is detector control only; it never enters the audible output.

Meter and visualizer guide

Display	What it measures	How to read it
IMPACT	Detected drum peak activity	Shows hit strength entering the impact path.
BODY	Sustained drum energy	Shows weight carried between hits.
REPAIR	Glue/control activity	Shows how strongly cohesion is correcting the bus.
CEILING	Protected output pressure	Persistent maximum activity means the chain is overdriven.
KEY	Detected 40-180 Hz sidechain energy	Moves only when KEY is enabled and a host sidechain is routed.
POCKET	Reduction of the added weight/glue layer	The original drum path remains outside this reduction.

Current factory programs detected

- KICK POCKET GLUE [Stereo]; GENTLE BUS POCKET [Stereo]

COLOR AMP TAPE User Manual

Current: 2026-08-01

Purpose: Saturation, amplifier, tape, and harmonic color. Add character through distinct amp, tube, tape, and body-focused engines.

Included products: APIS, PtahTube, KHEPRI, SOVEREIGN

Recommended route: Music/color route: KHEPRI -> PTAHTUBE -> APIS. SOVEREIGN is a source-oriented amp alternative.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

APIS

Body and color processor built around color, body, petal dispersion, air, protected I/O, and channel-mode support.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Input
- Color
- Body
- Flower Petal
- Air
- Output
- Gain Match

PtahTube

Phi-based tube color processor with input, drive, energy, balance, focus, output, and Flower of Life dispersal tied to its illuminated tube field.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Input
- Drive
- Output
- Energy
- Balance
- Power
- Focus
- Flower of Life Dispersal
- Gain Match

Current factory programs detected

- MANUAL | USER SETTINGS

KHEPRI

Sacred tape machine with selectable machine, Phi formula, tape type (Gold Alloy, Ferric Oxide, Metal Alloy), speed, drive, bias, wow, flutter, head bump, HF rolloff, and parallel mix.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Power
- Gain Match
- Machine
- Phi Formula
- Tape Type
- Speed
- Input
- Drive
- Bias
- Additional controls are mapped in the family technical manual.

Sidechain and wave guide

- Tape stock changes the machine's magnetic character. Gold Alloy is the balanced general-purpose stock; Ferric Oxide is warmer, denser, and better suited to body or vintage motion; Metal Alloy is cleaner, tighter, and more extended for transient detail and open high-frequency reproduction.
- The current factory bank is Canon Reset, Clean Print, Vocal Silk, Bass Foundation, Drum Punch, Bus Glue, Air Repro, Vintage Drift, and Dual Reel. Full Reel and the excessive Low Reel program have been removed; Bass Foundation is the restrained low-end replacement.
- Start with the source-matched program, enable Gain Match, and compare at equal loudness. Reduce Drive first when the tape color becomes too forward; reduce Wow or Flutter when transport motion distracts from the performance.

Meter and visualizer guide

Display	What it measures	How to read it
INPUT VU	Ballistic input level	Calibrated to the printed analog VU scale.
OUTPUT VU	Ballistic post-tape level	Compare with INPUT to avoid loudness bias.
Waveform	Recent live output samples	Shows real signal motion, not a decorative animation.
Reels / beetle glow	Tape motion and drive state	Operational feedback; not a calibrated level meter.

SOVEREIGN

Source-oriented amplifier and tone stage with drive, bass, mid, treble, presence, and master controls.

Preferred placement: Mix Bus. Use on the appropriate family bus, mix bus, or mastering chain with careful bypass matching.

Core controls

- Power
- Drive
- Bass
- Mid
- Treble
- Presence

- Master
- Gain Match

FIELD TONE BALANCE User Manual

Current: 2026-08-01

Purpose: Field tone, restoration, and tonal balance. Rebalance or restore a source before it reaches later spatial or mastering stages.

Included products: AUSET, AUSAR

Recommended route: Auset is bus preferred for field tilt. Ausar is bus preferred for restoration work.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

AUSET

Field-tone balancer with intensity, tilt, power, and optional Flower of Life dispersal.

Preferred placement: Bus Preferred. Use on a family, parallel, or purpose-built bus; audition on an insert only when the source calls for it.

Core controls

- Intensity
- Tilt
- Power
- Gain Match
- Flower of Life Dispersal

Current factory programs detected

- AUSET FULL RANGE; AUSET NIGHT BALANCE; AUSET LUNAR LIFT; AUSET SOLAR REVEAL; AUSET VELVET BODY; AUSET SHADOW DEPTH; AUSET AIR LIFT REVEAL; AUSET MASTER SUPPORT; AUSET FLOWER BLOOM

AUSAR

Restoration processor for hum repair, broadband extraction, transient integrity, and controlled output.

Preferred placement: Bus Preferred. Use on a family, parallel, or purpose-built bus; audition on an insert only when the source calls for it.

Core controls

- Gain Match
- Hum Repair
- Broadband Extraction
- Transient Integrity
- Output

Current factory programs detected

- AUSAR SOURCE RESTORE; AUSAR RELIC WASH; AUSAR RESURRECTION FIELD; AUSAR HUM DEEP CLEAN; AUSAR BROADBAND REVEAL; AUSAR TRANSIENT REPAIR; AUSAR ARCHIVAL BALANCE; AUSAR FULL RANGE PROOF

DIMENSIONAL IMPACT MOVE User Manual

Current: 2026-08-01

Purpose: Dimension, width, impact, and motion. Shape depth, front-to-back position, movement, and spatial delay as a coordinated field.

Included products: Depth Impact Hybrid X, PARALLAX, NSR

Recommended route: Width/depth route: Depth Impact Hybrid X -> Parallax -> NSR.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

Depth Impact Hybrid X

Six-mode spatial field for clarity, depth, low bloom, front push, hybrid pressure, fold, freeze, and source-to-horizon movement.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Output
- Hybrid X Mode
- Horizon Fold
- Event Freeze
- Echo
- CPU Saver
- Bypass
- Gain Match
- spectralClarity
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
RMS FIELD	Overall sustained field energy	Shows the body of the dimensional result.
LEFT / RIGHT	Per-channel output activity	Use to spot unintended channel imbalance.
HORIZON	Depth and distant-field contribution	Higher values indicate stronger rearward space.
EVENT	Transient/front-push contribution	Higher values indicate stronger forward impact.
Immersion / Foundation / Motion	Three-part dimensional activity summary	Read together to distinguish depth, low support, and movement.

PARALLAX

Bus-preferred width and depth field with focus, spread, axis core, link, mix, and output control.

Preferred placement: Bus Preferred. Use on a family, parallel, or purpose-built bus; audition on an insert only when the source calls for it.

Core controls

- Width

- Depth
- Focus
- Stereo Spread
- Axis Core
- Mix
- Output
- Field Link
- Power
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
INPUT / OUTPUT	Live pre/post level	Use for level matching around the width field.
Field visualizer	Width, depth, focus, spread, and axis state	Motion shows spatial behavior; it is not a frequency plot.

Current factory programs detected

- Deep Space; Wormhole; Nebula Shift; Stellar Grid; Planetary Orbits; Light Speed; Quantum Field; Dimensional Gate; Gravity Well; Ascension

NSR

Phi-ratio spatial delay and movement field combining travel, microphase, air, anchor, spread, time delay, flange, and mix.

Preferred placement: Bus Preferred. Use on a family, parallel, or purpose-built bus; audition on an insert only when the source calls for it.

Core controls

- Gain Match
- travel
- microphase
- air
- anchor
- spread
- field
- timeDelay
- flange
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
SPECTRUM	Energy across displayed frequency bands	Shows tonal distribution of the current signal.
CORRELATION	Left/right phase similarity	+1 is mono-coherent, 0 is decorrelated, negative values risk cancellation.
L / R	Channel activity	Use to detect imbalance before and after the field.
PHI FIELD VIEW	Combined spatial-field intensity	Shows overall activity of the responder.
STEREO FIELD / WIDTH	Side-to-mid spatial width	Check correlation whenever width stays high.

Display	What it measures	How to read it
FIELD ACTIVITY	Wet spatial-path energy	Shows how much processed field is actually active.
DRY / WET waveform	Recent source and processed traces	Compare timing, shape, and motion between paths.
Signal Path	Activity at each processing stage	Locates where energy enters, moves, feeds back, and is contained.

FX SPATIAL User Manual

Current: 2026-08-01

Purpose: Delay, reverb, tail, and spatial environment. Create audible space, movement, and controlled tails on parallel spatial lanes.

Included products: NTRSTLLR, Cathedral, SacredVerb

Recommended route: Parallel spatial route: NTRSTLLR -> Cathedral -> SacredVerb.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

NTRSTLLR

Audible interstellar delay and tail engine with travel, warp, orbit, portal, delay, air, haze, width, diffusion, axis, and Nebula/Wormhole modes.

Preferred placement: Bus Preferred. Use on a family, parallel, or purpose-built bus; audition on an insert only when the source calls for it.

Core controls

- Micro Peak
- Meso Density
- Macro Level
- Makeup Gain
- Travel
- Warp
- Orbit
- Portal
- Time/Delay
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
INPUT / OUTPUT	Weighted peak-plus-RMS level	Use for level matching around the spatial return.
TONE RESPONSE	Current low-to-high response shape	Shows tonal contour, not a mastering EQ recommendation.
WORMHOLE	Delay/warp-path energy	Shows active wormhole return strength.
NEBULA	Portal/diffusion-path energy	Shows active nebula tail strength.
SINGULARITY	Axis and pull concentration	Higher values indicate stronger inward focus.
PHI FIELD OBSERVATION	Combined macro-control activity	A spatial-state summary rather than loudness.

Display	What it measures	How to read it
PHI ECHO / DELAY FIELD	Delay taps, orbit, and return motion	Use to understand tail movement and density.

Cathedral

Seven-river chamber environment with arch, convergence, 3-6-9 nodes, protected I/O, and parallel mix.

Preferred placement: Bus Preferred. Use on a family, parallel, or purpose-built bus; audition on an insert only when the source calls for it.

Core controls

- Arch
- Seven Rivers
- 3-6-9 Nodes
- Convergence
- Input
- Mix
- Output
- Gain Match

Meter and visualizer guide

Display	What it measures	How to read it
ENERGY	Current chamber RMS in dB	Shows how strongly the room is being excited.
DIFFUSION	3-6-9 node density	Higher values produce a denser, smoother tail.
WIDTH	Node density multiplied by wet mix	Shows audible spatial spread, not dry-source width.
RT60	Estimated mid-band decay time	Seconds required for the modeled room to decay by 60 dB.
ROOM RESONANCE	Modeled low/mid/high response	Use to identify room emphasis before printing.

SacredVerb

Sacred spatial reverb with pre-delay, chamber size, damping, rate, depth, Neter blend, resonance, chamber and pattern modes, and protected presets.

Preferred placement: Bus Preferred. Use on a family, parallel, or purpose-built bus; audition on an insert only when the source calls for it.

Core controls

- PRE DELAY
- CHAMBER SIZE
- DAMPING
- WET MIX
- RATE
- DEPTH
- NETER BLEND
- RESONANCE
- INPUT
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
Seven Hathor meters	Energy at enabled Solfeggio nodes	Each column shows its resonant band activity and peak hold.
Output meter	Current reverb-output peak	Use to keep the return controlled and level matched.
3-6-9 modulator	Active modulation/pattern state	Shows motion settings; it is not a loudness meter.

HARMONICS PITCH User Manual

Current: 2026-08-01

Purpose: Harmonic structure, pitch, and instrument generation. Shape harmonic emphasis, rhythmic spectral motion, or generated instrument voices.

Included products: THOTH, TEHUTI, AU

Recommended route: Thoth and Tehuti are insert safe. AU is the family instrument and synth.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

THOTH

Sacred harmonic EQ with low and high shelves, visible shelf curves, Flower of Life mode, protected I/O, and parallel mix.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Power
- Input
- Mix
- Low Shelf
- High Shelf
- Output
- Flower of Life
- Gain Match

Meter and visualizer guide

Display	What it measures	How to read it
Spectrum bands	Live energy in each displayed EQ region	Use to see where harmonic energy is accumulating.
Shelf curves	Current low/high shelf response	These show the selected EQ shape, not measured level.
IN / OUT	Pre/post peak activity	Use for level-fair harmonic decisions.

TEHUTI

Harmonic motion processor using low, mid, and high ducking with depth, speed, mix, and Flower of Life mode.

Preferred placement: Insert Safe. Use directly on a source or instrument channel and bypass-match before committing.

Core controls

- Power

- Low Duck
- Mid Duck
- High Duck
- Depth
- Speed
- Mix
- Flower of Life
- Gain Match

Meter and visualizer guide

Display	What it measures	How to read it
INPUT	Main-program peak activity	Shows the signal being ducked.
SIDECHAIN SEND	External sidechain envelope	Confirms that the host sidechain is present.
LOW GR	Reduction below 162 Hz	Shows low-band ducking driven by the sidechain.
MID GR	Reduction from 162 Hz to 1.62 kHz	Shows mid-band ducking driven by the sidechain.
HIGH GR	Reduction above 1.62 kHz	Shows high-band ducking driven by the sidechain.
Duck curves	Expected reduction versus sidechain energy	The live dot shows the current operating point.
History	Recent sidechain and reduction motion	Use to judge pumping and release behavior.

AU

DIHWorld instrument and synth with factory sound selection, drag-and-drop source support, automatic root targeting, nine Neter voices, modulation, space, glide, sustain, and master control. The current AU is registered and uses smoothed output normalization.

Preferred placement: Instrument Track. Load as an instrument; use factory voices or drag-and-drop source material, then shape it inside the harmonic family.

Core controls

- Factory Sound
- PTAH
- RA
- SET
- ASAR
- MAAT
- SEKHMET
- KHNUM
- HERU
- Additional controls are mapped in the family technical manual.

Sidechain and wave guide

- **Drop Audio Instrument Here:** Drag a .wav, .aif, .aiff, .caf, or .mp3 into the wide center landing zone. The whole highlighted center strip accepts the drop, not only the printed label.
- **Auto Root:** AU first reads embedded root/unity-note metadata, then a note written in the filename (for example Bass_C2.wav, Lead_F#3.wav, or Joker - E.wav), and finally estimates pitch from the audio. The resolved target appears beside the loaded instrument name; uncertain unlabelled material falls back to C4.

- The current Audio Unit is registered for Logic and uses a prepared, per-sample output-normalization ramp so gain changes do not jump at audio-block boundaries.

CREATIVE TRANSFORM User Manual

Current: 2026-08-01

Purpose: Creative reconstruction and transformation. Recombine processors, recover hidden content, or reshape a source beyond corrective work.

Included products: SlotMachine, Archaeologist X, SERQET

Recommended route: Use as deliberate creative stages; audition in context and bypass match before printing.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

SlotMachine

Three-chamber creative host that combines source, opposition, and resolution through architecture, blend, morph, and containment.

Preferred placement: Creative Transform. Use as an intentional instrument or creative transformation stage and print only after contextual auditioning.

Core controls

- Chamber A Source
- Chamber B Opposition
- Chamber C Resolution
- Architecture
- Blend
- Morph
- Containment
- Gain Match

Meter and visualizer guide

Display	What it measures	How to read it
INPUT	Input peak	Confirms level entering the three chambers.
OUTPUT	Output peak	Use for level matching.
RMS	Average program body	Shows sustained density.
CREST	Peak-to-RMS relationship	Higher values mean sharper transients; lower values mean denser material.

Archaeologist X

Forensic recovery processor for excavation, recovery field, harmonic extraction, layer selection, gate, and parallel mix.

Preferred placement: Creative Transform. Use as an intentional instrument or creative transformation stage and print only after contextual auditioning.

Core controls

- Power

- Gain Match
- Excavation Engine
- Recovery Field
- Harmonic Extraction
- Forensic Layer
- Gate
- Mix
- Output
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
INPUT / OUTPUT	Live pre/post peak	Use for bypass and level matching.
EXCAVATION	Low/deep recovery activity	Shows energy being uncovered by excavation.
RECOVERY	Recovered-source contribution	Shows how much repaired material is active.
HARMONIC	Extracted harmonic activity	Shows reconstructed tonal information.
FORENSIC	Forensic layer/gate activity	Shows the selective analysis path at work.
Observation Field	Combined four-process activity	A process summary, not a spectrum.

SERQET

Creative sting and width processor with intensity, venom saturation, convergence focus, and output control.

Preferred placement: Creative Transform. Use as an intentional instrument or creative transformation stage and print only after contextual auditioning.

Core controls

- Width Reach
- Movement Trace
- Prism Focus
- Output Master
- Gain Match

Meter and visualizer guide

Display	What it measures	How to read it
RMS WIDTH	Input RMS feeding the width field	Shows source energy available for widening.
PRISM WIDTH	Measured side-field width	Higher values indicate a broader stereo prism.
OUTPUT FIELD	Post-process RMS energy	Use with RMS WIDTH for level context.
Prism visualizer	Width, motion, focus, and output state	The polygon is a spatial-state map, not a loudness target.

Current factory programs detected

- SERQET CANON WIDTH; SERQET VEIL MOTION; SERQET PRISM LENS; SERQET WIDE FIELD; SERQET BUS VEIL

MASTERING CORE User Manual

Current: 2026-08-01

Purpose: Mastering preparation, balance, lift, authority, and containment. Prepare, balance, polish, lift when needed, and contain the final program.

Included products: ANKH, SPHYNX, MAAT, Horizon X, PLATINUM

Recommended route: Choose one preparation stage, one balance or field stage, then ANKH. Place SESHAT last as observation only.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

Shell canon: Mastering Core uses a silver preset-shell stripe and machined silver/chrome frame. PLATINUM is a primary Mastering Core product.

ANKH

Sacred optical leveler for late-stage compression, Ma'at limiting, attack, release, drive, ratio, stereo link, Flower luminosity, and final containment.

Preferred placement: Master Field. Use late in the mastering chain for macro field structure or final containment.

Core controls

- Gain Match
- RA Input
- Mix
- Sekhem Attack
- Ma'at Release
- Ptah Drive
- Ascension Ratio
- Amun Output
- Compress
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
INPUT LEVEL	Peak level entering ANKH	Use to verify healthy mastering-chain entry.
GAIN REDUCTION	Current optical/limiter attenuation	More fill means more level is being removed.
OUTPUT LEVEL	Peak level after containment	Compare with Input for level-fair decisions.

SPHYNX

Mastering normalizer and calibrator that prepares input level, target, engine strength, normalization amount, mix, and output.

Preferred placement: Mix Bus. Use on the appropriate family bus, mix bus, or mastering chain with careful bypass matching.

Core controls

- Input
- Calibrate
- Normalize
- Engine

- Target
- Mix
- Output
- Gain Match

Meter and visualizer guide

Display	What it measures	How to read it
INPUT PEAK	Peak entering calibration	Confirms available headroom before normalization.
PROGRAM RMS	Average program energy	Use to understand body level, not final delivery loudness alone.
AUTO TRIM	Gain correction calculated by SPHYNX	Center is 0 dB; left cuts and right boosts.
OUTPUT PEAK	Peak after normalization	Verify headroom after calibration.
Crest / headroom	Peak-to-RMS and remaining space	Use together to avoid flattening transient structure.

MAAT

Mastering balance processor for foundation and air, bandwidth, truth, architecture, phase, stereo link, saturation mode, and output.

Preferred placement: Mix Bus. Use on the appropriate family bus, mix bus, or mastering chain with careful bypass matching.

Core controls

- Foundation Boost
- Foundation Atten
- Foundation Frequency
- Air Boost
- Air Atten
- Bandwidth
- Balance
- Truth
- Architecture
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
TRUTH	Composite tonal/phase balance score	Higher values mean the current foundation/air balance is closer to the intended field.
INPUT / OUTPUT	Live pre/post level	Use for level matching.
FOUNDATION	Low-frequency contribution	Shows active foundation energy.
AIR	Upper-frequency contribution	Shows active air energy.

Horizon X

Mastering finalizer with dawn/dusk states, volume, drive, maximizer, depth, clarity, gravity, pull, collapse, return, and blended Horizon/Event modes.

Preferred placement: Mix Bus. Use on the appropriate family bus, mix bus, or mastering chain with careful bypass matching.

Core controls

- Input
- Output
- Bypass
- RA Clip
- Gain Match
- Volume
- Drive
- Maximizer
- Depth
- Additional controls are mapped in the family technical manual.

Meter and visualizer guide

Display	What it measures	How to read it
LIVE SIGNAL	Per-channel input RMS on a -60 to 0 dBFS scale	Shows program energy entering the finalizer.
FIELD STATE	Combined Horizon/Event processing state	A process-state visualization, not a delivery-loudness meter.
OUTPUT LEVEL	Post-finalizer level on a -60 to 0 dBFS scale	Use with LIVE SIGNAL for level-fair review.

PLATINUM

Mastering authority processor using silver air, gold drive, copper body, iron glue, nickel focus, platinum authority, and final output.

Preferred placement: Mix Bus. Use on the appropriate family bus, mix bus, or mastering chain with careful bypass matching.

Core controls

- Gain Match
- AG Air
- AU Drive
- CU Body
- FE Glue
- NI Focus
- PT Authority
- Output

MASTER FIELD User Manual

Current: 2026-08-01

Purpose: Macro master-field structure and finish. Organize foundation, architecture, dimension, tonal axis, and finish at the macro level.

Included products: IMHOTEP

Recommended route: Imhotep belongs late in the clean mastering route before ANKH containment.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

IMHOTEP

Macro master-field builder for foundation, architecture, dimension, finish, tonal axis, I/O trim, and Flower of Life dispersal.

Preferred placement: Master Field. Use late in the mastering chain for macro field structure or final containment.

Core controls

- Flower of Life Dispersal
- Gain Match
- Foundation
- Architecture
- Dimension
- Finish
- Tonal Axis
- Input Trim
- Output Trim

Meter and visualizer guide

Display	What it measures	How to read it
INPUT PEAK	Peak entering the master builder	Confirms headroom before macro shaping.
FIELD ACTIVITY	Combined foundation, architecture, dimension, and finish activity	Shows how strongly the macro field is engaged.
OUTPUT / PHI CEILING	Output level relative to containment	Persistent maximum readings mean less available headroom.

Current factory programs detected

- MASTER BUILDER CANON; CLEAN PRINT FRAME; FOUNDATION MONUMENT; VOCAL MASTER ORDER; DENSE MIX REBUILD; OPEN PYRAMID FIELD; TRANSIENT STONework; GREAT PYRAMID

UTILITY OBSERVATION User Manual

Current: 2026-08-01

Purpose: Observation, metering, and print confirmation. Observe final behavior without becoming a tone-changing stage.

Included products: SESHAT

Recommended route: Place Seshat at the end of the analysis and print lane.

Preset law: Factory presets describe musical intent and expose the useful range of the plugin. They do not change protected Input, Mix, Output, Power, or final ceiling controls unless the plugin's explicit canon requires it. Cathedral and SacredVerb retain their protected preset behavior. Preset changes must remain clickless.

SESHAT

Final observation and analysis lane with restored spacious panel layout and optional peak hold; Full Observation shows the complete meter set, while each named preset shows only the meter or panel relevant to that view. It is not a tone-shaping processor.

Preferred placement: Observation. Place last in the analysis and print lane for final observation and confirmation.

Core controls

- Hold Peaks

- Gain Match

Sidechain and wave guide

- Full Observation displays every analysis panel. Each named observation preset displays only the meter or panel required by that preset, restoring the focused older workflow and keeping unused meters off screen.
- SESHAT PRINT SCAN is a read-only print-confirmation view: it does not process or change the audio. Read the five SESHAT REELS from left to right as Impact, Field, Momentum, Alignment, and Moon. Each reel advances through the symbolic 396, 417, 528, 639, 741, 852, 963, PHI, CROWN, and MOON scale as that observation rises; those reel numbers are ranks, not frequency readings.

Meter and visualizer guide

Display	What it measures	How to read it
LUFS / BODY READ	Short-window perceptual loudness	Use for loudness context, not as the only delivery decision.
LEFT INPUT / RIGHT OUTPUT	Peak, RMS body, impact, and held peak	Shows entry and exit behavior; Hold Peaks retains the highest marker.
CORRELATION / MONO SAFETY	Left/right phase relationship	+1 is coherent, 0 is wide/uncorrelated, negative values risk cancellation.
SOLFEGGIO FREQUENCIES	Energy near the seven displayed resonant bands	Shows tonal concentration around 396 through 963 Hz.
IMPACT	Fast peak relative to the canon ceiling	Higher means stronger transient force.
FIELD	Body RMS plus stereo-side pressure	Higher means denser sustained spatial load.
MOMENTUM	Change in impact plus transient shape	Higher means faster, more active movement.
PHI ALIGNMENT	Proximity to DIH golden-ratio checkpoints	Higher means field pressure sits nearer a PHI reference point.
INTEGRITY	Similarity between impact and field pressure	Higher means transients and body remain proportionate.
CROWN	Weighted combined observation score	Summarizes impact, field, momentum, alignment, and integrity.
MOON	Transient shape plus momentum	Higher means stronger forward or launching behavior.
HF RISK	High-frequency energy imbalance	Higher values warn of potential harshness.
PHASE RISK	Correlation and side-energy danger	Higher values warn of mono cancellation.
LEVEL RISK	Peak/ceiling and transient danger	Higher values warn of insufficient headroom.
COMFORT	Alignment, integrity, and low-risk balance	Higher values indicate a more stable field.
ADVISOR	Combined risk recommendation	A diagnostic suggestion; it does not change audio.
REEL 1 - Impact	Transient-force rank	First reel; 396 is low and MOON is highest.
REEL 2 - Field	Sustained spatial-pressure rank	Second reel; numbers are symbolic stages, not Hz.
REEL 3 - Momentum	Motion/transient-change rank	Third reel; higher stages mean more movement.
REEL 4 - Alignment	PHI-alignment rank	Fourth reel; higher stages mean closer alignment.
REEL 5 - Moon	Forward-propulsion rank	Fifth reel; higher stages mean stronger launch.

Technical Depth And Related Documents

This manual covers product use: purpose, recommended routes, preferred placement, and core controls for all 42 plugins. It stays short on purpose. For the long reads, go to dihworldaudio.com/#documentation or open the specific local file listed below.

- Full technical parameter and DSP detail: DIHWorld_Audio_Complete_Reference_CURRENT.pdf, or [Open Complete Reference](#)
- Bus templates, 42-plugin placement schematic, and dynamics/sidechain routing: DIHWorld_Routing_Quick_Reference_CURRENT.pdf, or [Open Routing Reference](#)
- Meters, analyzers, and reactive visuals: DIHWorld_Meter_Visualizer_Reference_CURRENT.pdf, or [Open Meter Reference](#)

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- One family's paired user and technical manuals: [Open Family Map](#), or that family's documentation folder
 - Preset name meanings: DIHWorld_GlossaryPresets_CURRENT.pdf, or [Open Glossary + Presets](#)
 - License terms: DIHWorld_Audio_EULA_CURRENT.pdf
 - Product support and updates: dihworldaudio.com/#support