



HALO

ANDY TIMMONS
DUAL ECHO

INSTRUCTION MANUAL

KEELEY

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THE KEELEY HALO - ANDY TIMMONS DUAL ECHO

Andy Timmons' mysterious sounding "Halo" effect is a modulated dual echo sound that has long been kept a secret by the tone wizard himself. Andy spent decades combining and crafting the sounds you can now get from the HALO. Notes from the HALO dance rhythmically, almost creating a reverb diffusion. Those notes are held together with tape-style effects like modulation, saturation and compression. The results are stunning. The HALO comes loaded with his signature delay tone and you can program your own sounds and save them as presets. Easily bounce between Side A and B on the fly, essentially giving you two delay pedals in one. In addition to Andy's signature "Halo" sound, there are numerous other rhythmic delays including: quarter note, dotted 8th, stereo rack mount analog delay, and a vintage multi-head tape echo. Stunning stereo and pristine sound quality are further enhanced with controls for saturation, tone, and shelving filters that give you the ultimate delay pedal.

"At long last, I have my ultimate dual echo in a single pedal!" - Andy Timmons



HALO - ANDY TIMMONS DUAL ECHO

PRIMARY CONTROLS



- 1 TIME** - Sets the length of delay from 5ms to 1500ms.
- 2 LEVEL** - Sets the level of the delay.
- 3 FDBK** - Sets the regeneration (number of repeats) of the delay. Pressing the FDBK knob enters 'Preset Mode'. (See page 8 for more on saving presets.)
- 4 RATE** - Sets the rate of modulation of the delay from 0.1Hz - 10Hz.
- 5 DEPTH** - Sets the amount of modulation of the delay.
- 6 TOGGLE SWITCH** - Push to the right to advance through the HALO's 4 Preset Banks.
- 7 STOMP SWITCH A** - Turns on or off Side A of the HALO.
- 8 STOMP SWITCH B** - Turns on or off Side B of the HALO.
- 9 STATUS LIGHTS** - Once a knob has been moved from the preset position, the STATUS LED will illuminate. To find the original knob position, turn the knob until the STATUS LED turns off. Upper A&B lights mirror stomp switch indicators and illuminate when Sides A or B are engaged.

SECONDARY (ALT) CONTROLS

Access four alternate tone and time shaping controls by pressing and holding the FDBK knob while turning other controls

- 1 FDBK (PRESS) ALT** - Press and hold the FDBK knob while manipulating other knobs to access secondary controls.
- 2 HIGH PASS FILTER** - Sets the cutoff frequency for a single-order high pass filter in the feedback loop. The frequency ranges from 0Hz at full CCW to 300Hz at full CW.
- 3 SATURATE** - Acts as tape compression and saturation, allowing you to mimic the grit and feel of vintage tape delay units. Additional low pass filtering is also introduced as saturation is increased.
- 4 TONE** - Controls the tone of the delayed signal. The range of the cutoff frequency runs from 1000Hz at full CCW to 8750Hz at full CW.
- 5 RHYTHM** - Sets the subdivision of delay. Subdivisions from CCW to CW: Quarter, dotted eighth, Halo, Bucket Brigade (BBD), Multi-Tap Tape Delay.

RHYTHM MODES:



**QUARTER
NOTE**



**DOTTED
EIGHTH**



**ANDY
TIMMONS
HALO**



**BUCKET
BRIGADE**



**TAPE
DELAY**



Hold down the FDBK knob while manipulating other knobs to access secondary controls.

HALO - ANDY TIMMONS DUAL ECHO

FOOTSWITCH CONTROLS

Smart Controls at the press of a button



SIDE A / B - Tap the A or B footswitch to activate each side of the HALO. Tap the alternate footswitch to use the alternate sound stored in each Preset Bank.

Note: Only one side of each Preset Bank can be active at a time.

ADVANCING PRESET BANKS - Hold both Side A and B stomps for 1/3 of a second to advance through presets 1-4.

SAVING NEW PRESETS - Tap the FDBK knob to enter Preset Mode. The Preset Bank light will begin to blink. Then hold stomp A or B for 1 second to save your settings to the desired side of the HALO (See page 8 for more information.)

ADVANCED CONTROL

Using the HALO with External Switching

REMOTE SWITCHING

The two preset bypass switches can be controlled remotely through the remote jack. Using a TRS cable, the tip controls the B switch while the ring toggles the A switch. The unit is set up to be used with momentary switches by default. It can be put into latching mode by holding down the A bypass switch while applying power to the unit. Doing this again will put the unit back into momentary mode.

While in latching mode, the bypass switches on the unit will behave differently than when in momentary mode. The A switch on the unit will no longer turn the preset on or off. The B switch on the unit is tied directly to the tip of the remote switching jack. Due to this, the on-unit B switch will act as if it has been hit twice for every one button press.

EXTERNAL TAP

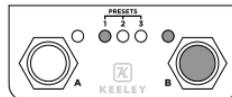
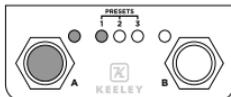
Plugging a mono cable into the expression jack will allow the use of an external switch for tap tempo control. Holding this switch down will also activate maximum feedback for the active delay.

TAP TEMPO MODE

Control the time of the HALO's delay with our handy Tap Mode

Tap Tempo can be activated by pressing and holding the active side's stomp switch for 1 second. The bypass LED for the active side will flash the current tempo to indicate that it is in TAP mode. TAP mode will automatically exit after 5 seconds if no tap is detected. TAP mode can also be exited by pressing and holding the bypass switch for the active Side for 1 second.

**WHEN SIDE A IS ACTIVE
PRESS AND HOLD SIDE A STOMP
THEN TAP FOR TAP TEMPO**



**WHEN SIDE B IS ACTIVE
PRESS AND HOLD SIDE B STOMP
THEN TAP FOR TAP TEMPO**

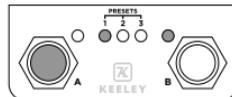
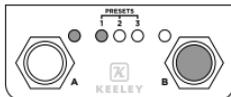
INFINITE HOLD

Freeze the HALO's sound for as long as you wish with intuitive Maximum Feedback

Maximum Feedback can be achieved by pressing and holding down the stomp switch for the preset that is **not** active

Once the switch is released the feedback level will return to its previous level.

**WHEN SIDE A IS ACTIVE
PRESS AND HOLD SIDE B STOMP
FOR MAXIMUM FEEDBACK**



**WHEN SIDE B IS ACTIVE
PRESS AND HOLD SIDE A STOMP
FOR MAXIMUM FEEDBACK**

TRAILS OR TRUE BYPASS

Choose what works best for you

Trails can be activated/deactivated by holding down both stomp switches while connecting your 9V AC barrel connector. When trails is active, the HALO features a 'spillover' effect, meaning when changing from Side A to Side B within a Preset Bank, the previous Side's effect will carry over to the other side. *Note: The HALO comes with trails engaged as default.*

ALL WET / DRY MODE

Dry signal can be toggled on and off by holding down the Side A stomp switch and FDBK knob connecting your 9V DC barrel connector.

CHANGING AND SAVING PRESETS

The HALO features a total of 4 Preset Banks

ADVANCING PRESETS ON THE FLY

Advance through Preset Banks by holding both stomp switches for 1/3 of a second (or simply use the mini toggle switch).

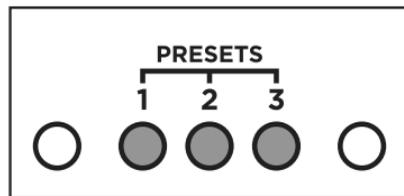
TO TOGGLE BACK AND FORTH BETWEEN PRESETS

1. Tap the FDBK knob to enter 'Preset Mode'
2. Cursor left or right through Preset Banks 1-4 by then tapping either the A or B Side stomp switch.
3. Once you have landed on the Preset Bank you've decided on, press both stomp switches again (or tap the FDBK knob) to change to the desired Preset Bank.

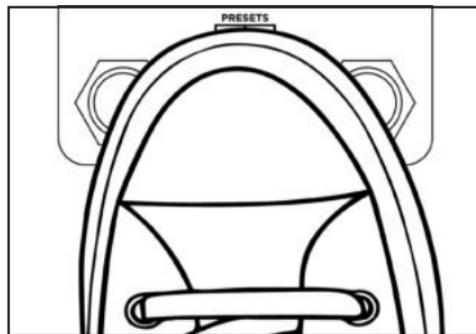
SAVING PRESETS

1. Once desired changes are made, tap the FDBK knob to enter 'Preset Mode'.
2. Use the A and B stomp switches to cursor both forward and backward through Preset Banks 1-4.
3. Once the desired Preset Bank is selected, hold either the A or B stomp switch to save your settings.

Note: You can also use the mini toggle to advance through Preset Banks 1-4.



The three lights in the middle of the HALO are Preset Bank indicators, which will correspond with the currently active Preset Bank. When in Preset Bank 4, all three lights are illuminated.



Use your foot to control Sides A and B, or both at the same time. You can even use your foot to press the slightly elevated FDBK knob!

EXPRESSION PEDAL USE AND FACTORY RESET

The HALO allows you to set control parameters with an optional expression pedal

ASSIGN A PARAMETER TO AN EXPRESSION PEDAL

1. Hold FDBK knob for 1 second to enter Expression Mode.
2. Set connected expression pedal to heel-down.
3. Turn a HALO control knob to the desired heel-down setting.
4. Set the expression pedal to toe-down.
5. Turn the same control knob to the desired toe-down position.
6. Hold FDBK knob for 1 second to save your settings.

Note: You can set multiple parameters at once to be controlled with your expression pedal. You can set partial ranges, reassign ranges, or even reverse heel/toe positions in this mode. The sky is the limit!

UNASSIGN A PARAMETER FROM AN EXPRESSION PEDAL

1. Hold FDBK knob for 1 second to enter Expression Mode.
2. Set connected expression pedal to heel-down.
3. Turn each knob a small amount to let the HALO know you don't want the control to be 'expression controlled'. Don't touch controls still assigned to the expression pedal.

Note: Any parameters that were not moved will maintain their previous expression status.

4. Set the expression pedal to toe-down.
5. Hold the FDBK knob for 1 second to unassign and save.

Note: You can save expression pedal settings to any of the 4 HALO preset locations.

EXPRESSION PEDAL INPUT

You must use a TRS (stereo) expression pedal with the HALO.

When a TRS (stereo) expression pedal is inserted, the expression pedal defaults to controlling the BLEND control of the delay.

Note: Plug a mono Tap Tempo box into the TRS EXP. PEDAL jack to allow the control of the Tap Tempo & Infinite Hold. This method controls the active Side only.

CLEAR ALL EXPRESSION SETTINGS

To clear ALL expression pedal settings, enter Expression Pedal Mode by holding the FDBK knob for 1 second. Once in Expression Pedal Mode, hold the SIDE A footswitch for 1 second to clear ALL expression pedal settings. Once finished, exit Expression Pedal Mode by holding the FDBK knob for 1 second.

FACTORY RESET

1. Unplug the 9V AC barrel connector from your HALO.
2. Press and hold down the FDBK knob and the SIDE A and SIDE B footswitches simultaneously.
3. Plug the 9V DC barrel connector back into your HALO.
4. Release the FDBK knob, SIDE A and SIDE B Footswitches.

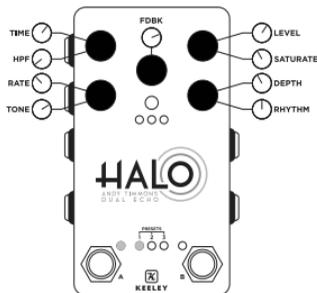
You will see all of the lights on the HALO cycle, indicating that the Factory Reset is complete.

Note: When making these adjustments, it helps to place the HALO on a flat surface, such as a pedalboard or a table top.

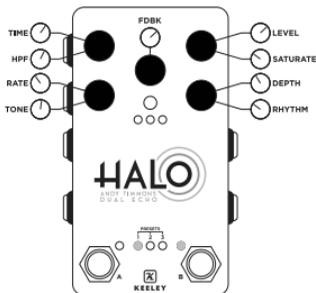
FACTORY PRESET HALO SETTINGS

Getting started with the HALO - Andy Timmons Dual Echo

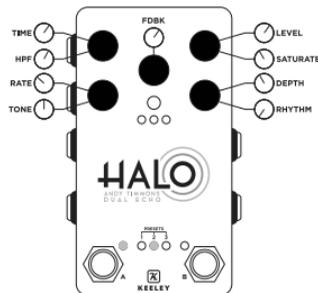
TIP: HOLD DOWN THE FDBK KNOB TO ADJUST THE ALT CONTROLS



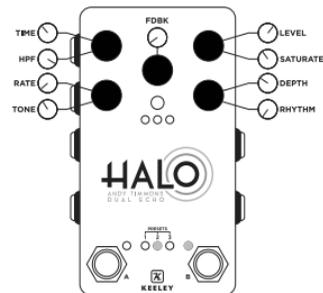
PRESET BANK 1 - SIDE A
ANDY'S HALO



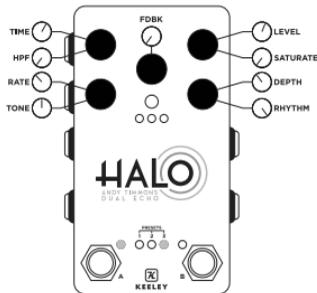
PRESET BANK 1 - SIDE B
DOTTED EIGHTH



PRESET BANK 2 - SIDE A
QUARTER



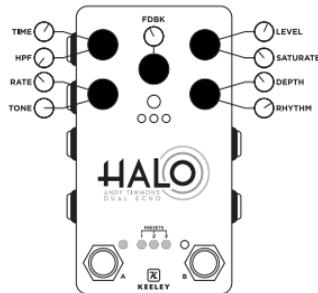
PRESET BANK 2 - SIDE B
SLAPBACK



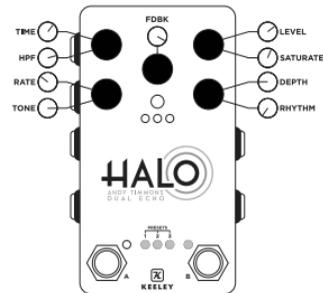
PRESET BANK 3 - SIDE A
VINTAGE MULTI TAP



PRESET BANK 3 - SIDE B
HALO REVERB



PRESET BANK 4 - SIDE A
RACKMAN BBD

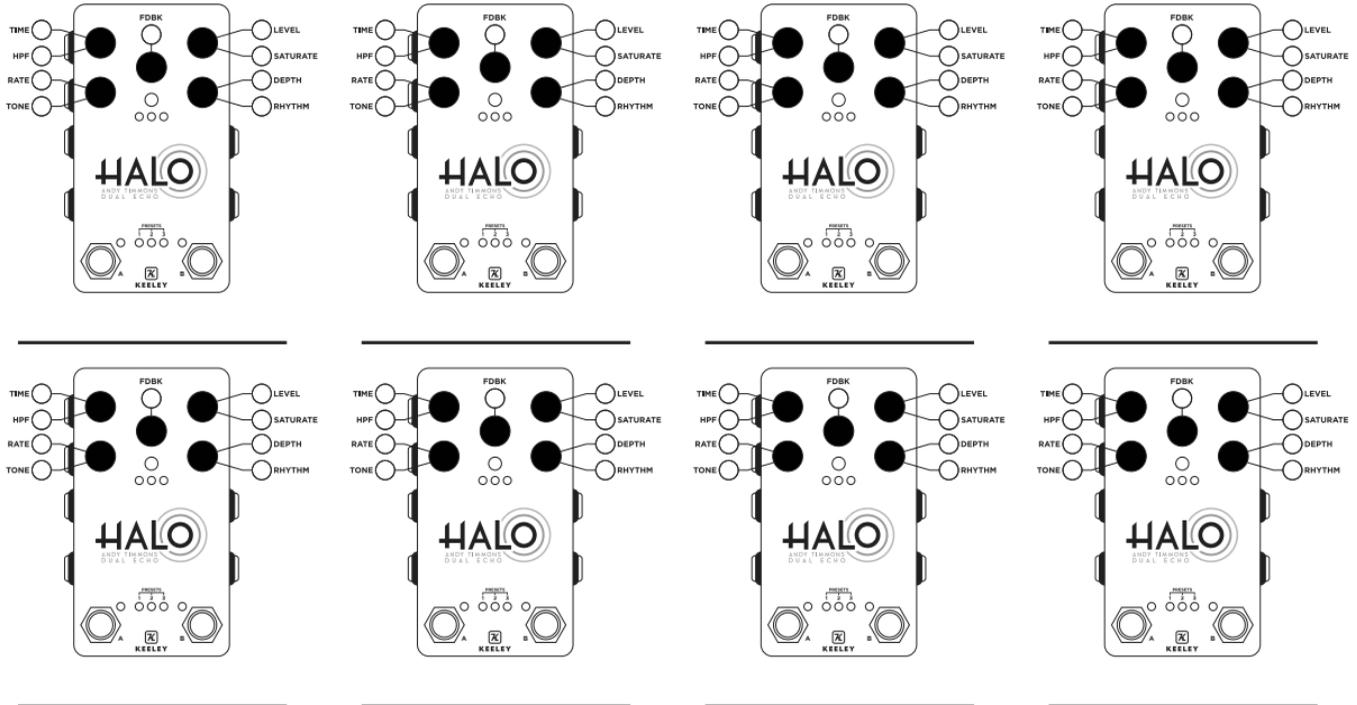


PRESET BANK 4 - SIDE B
LONG QUARTER

YOUR HALO SETTINGS

Write in your favorite settings for the HALO - Andy Timmons Dual Echo

TIP: HOLD DOWN THE FDBK KNOB TO ADJUST THE ALT CONTROLS



HALO QUICK START GUIDE

Jump right in to the HALO - Andy Timmons Dual Echo

PRIMARY CONTROLS

TIME - Sets the length of the delay

LEVEL - Sets the level of the delay

FDBK - Sets the regeneration (number of repeats) of the delay

RATE - Sets the speed of modulation of the delay

DEPTH - Sets the amount of modulation of the delay

TOGGLE SWITCH - Push to the right to advance through the HALO's 4 Preset Banks

STOMP SWITCHES A and B - Turns on/off Sides A or B of the HALO

ALT (SECONDARY) CONTROLS

FDBK ALT (PRESS)- Press and hold while manipulating other knobs to access secondary controls

HPF - Sets the bass cut of the High Pass Filter

SATURATE - Sets tape-like saturation & compression

tone - Controls the tone of the delayed signal

RHYTHM - Choose from Quarter, Dotted Eighth, Halo, Bucket Brigade (BBD), or Tape Delay



TECHNICAL SPECIFICATIONS

True-Stereo Input and Output
True Bypass or Buffered Trails
(Trails mode by default)

Default Preset 1 - Andy Timmons 'HALO' Sound
9V Neg-Tip DC Supply - 160mA
Input Impedance, 1M / Output Impedance, 10K

Modulation Rate: 0.1Hz - 10Hz
High Pass Filter: 0Hz - 300Hz
Delay Tone: 1000Hz - 8750Hz

PRESET BANKS

SELECT PRESET BANK - Briefly hold both Stomp A and B (or push mini toggle to the right)

SAVE TO PRESET BANK - Once changes to the control knobs have been made (including alt. controls), tap the FDBK knob, then use Stomp A or B to cursor through the preset banks. Once the desired Preset Bank is selected, press and hold either Stomp A or B to save your settings to your chosen location.

INFINITE HOLD

When Side A or B is active, hold the opposite stomp switch. Once released, feedback level will return to normal.

TAP TEMPO

Press and hold the active Side's footswitch for 1 second. Then tap the same footswitch 2-3 times to set desired tempo.

TRAILS

Press and hold both Stomp A and B while plugging in a 9V DC barrel connector to the HALO. (Trails by default)