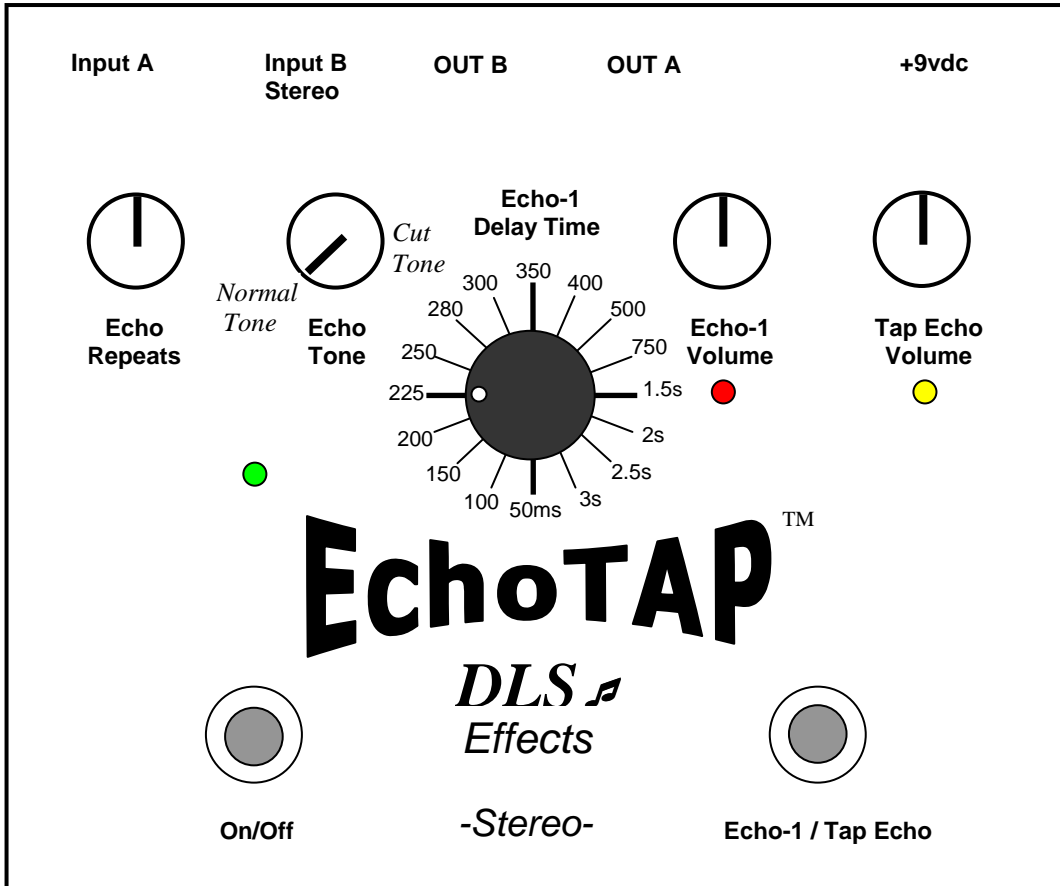


EchoTAP™ User Manual

by DLS *♫* Effects



Features:

Echo-1 Delay Time: 16 positions of most popular fixed delay settings from 50ms to 3 seconds.

Echo-1 Volume: Volume of echoes while using Echo1.

Tap Tempo: User settable tap tempo delay time from 30ms to 3 seconds. (Tap switch adjustable)

Tap Volume: Volume of echoes while using Tap Tempo.

Echo Repeats: Adjusts the number of echo repeats (counter clockwise is least repeats, clockwise is most repeats)

Echo Tone: Tone adjustment for the echoes only. (Counter clockwise the tone is the brightest, clockwise the tone is cut (low tone).

Echo-1/Tap Tempo: Footswitch switches between Echo1 fixed delay setting, or Tap Tempo delay mode.

On/Off: Footswitch between effect On (echoes) or effect Off (true bypass).

Hookup Configurations: (Mono In: Mono Out), (Mono In: Stereo Out), (Stereo In: Stereo Out)

Input A: Instrument input.

Input B (Stereo): 2nd input for Stereo (When Input B is used, it is routed to OUT B. In this case the input B channel is separate from the Input A channel. The stereo image is generated from Input A and mixed with the isolated Input B.)

Output A: Output (mono) (see hookup page)

Output B: Output (this output is slightly brighter than OutputA) (mono or stereo) (see hookup page)

Power “+9vdc”: Input for 9 to 13.8vdc, 90ma minimum, 2.1mm jack, polarity does not matter. (DC adapter included)

Operation:

Switching from Echo-1 echo to Tap Tempo echo:

While in Echo1 mode (Red LED on) I want to switch to Tap Tempo: Push and release the *Echo1/Tap Tempo* switch. The Yellow LED will light and blink at the Tap Tempo rate. The Red LED will un-light.

Note1: You don't have to hold down the Echo1/Tap Tempo switch when switching to Tap Tempo. As soon as the switch is pushed you immediately go into Tap Tempo mode as indicated by the Yellow LED blinking, so just release the switch.

Recording a new Tap Echo Time:

While in Tap Tempo mode, I want to change the echo tempo: Push and release the *Echo1/Tap Tempo* switch at least 2 times to the beat you desire. This will set the delay timing and the Yellow LED will now blink to the beat you set.

Note1: On power up the Tap Tempo is pre-programmed to ¼ second echo time.

Note2: When setting the tap tempo, don't hold the Echo1/Tap switch down for more than ¾ of a second or you will exit the Tap Tempo mode. Try to press and release while setting the echo beat.

Switching from Tempo echo back to Echo-1 echo:

While in Tap Tempo mode, I want to switch back to Echo1 mode: Push and hold the *Echo1/Tap Tempo* switch for at least ¾ of a second. After the Red LED lights, release the Echo1/Tap Tempo switch. The Yellow LED will un-light.

Note1: You have to push and HOLD the Echo1/Tap switch for at least ¾ of a second to get back to Echo1 mode.

General Notes about Tap Record Mode:

- Tap echo is preset for ¼ second (250ms) upon unit power up. The user may wish to leave this setting at ¼ second, or change it using the “**Recording a new Tap Echo Time**” instructions above.
- In TAP mode, once you push and release the switch you enter the RECORD MODE where you can set the tap tempo. You can push and release the switch again to set the new tap rate, but only up to 3 seconds from the 1st switch push. However, if you do not push the switch again within 3 seconds you will exit RECORD MODE. To re-enter record mode, simply push the switch again.
- I pushed the *Echo1/Tap Tempo* switch by accident while in Tap mode and I did NOT want to record a new Tap Echo time. If you didn't want to change the echo time, just don't push it again for 3 seconds and you will keep the current echo time. This is because if the system doesn't see a second switch push in 3 seconds, it exits RECORD MODE.

Electronics:

Technology: Hi Quality Analog (HQA) electronics and 16bit digital electronics

Sample rate: 44.1KHZ, 256x over sample

Mechanical:

Enclosure: Solid heavy gauge steel, 5"W x 4.9"D x 2.4"H
Powder coat painted for durability!

Controls: Steel switches, pots, and ¼" jacks

Weight: 2½ lbs.