Using echo EFX efficiently

From Ssl-wiki

Contents

Introduction

This article describes how I use the echo EFX efficiently avoiding jumping forth and back between the mixers function groups. This saves a lot of stress and reduces errors a lot.

Start

The TTM57 SL has the great feature to automatically track the BPM of either deck to use it with the EFX. This helps saving time and makes tapping the BPM obsolete assuming your audio files have proper BPM values set. The idea now is to move the "track BPM deck 1/2" function to the "group 1" (FIXME screenshot). Then we dont want to switch to the EFX group just for choosing to which deck the echo EFX will be applied to. We accomplish this by putting the echo EFX to the FlexFX chain. Then we will be able simply by pressing the "FlexFX" send button on either channel to choose to which channel the echo will be applied to.
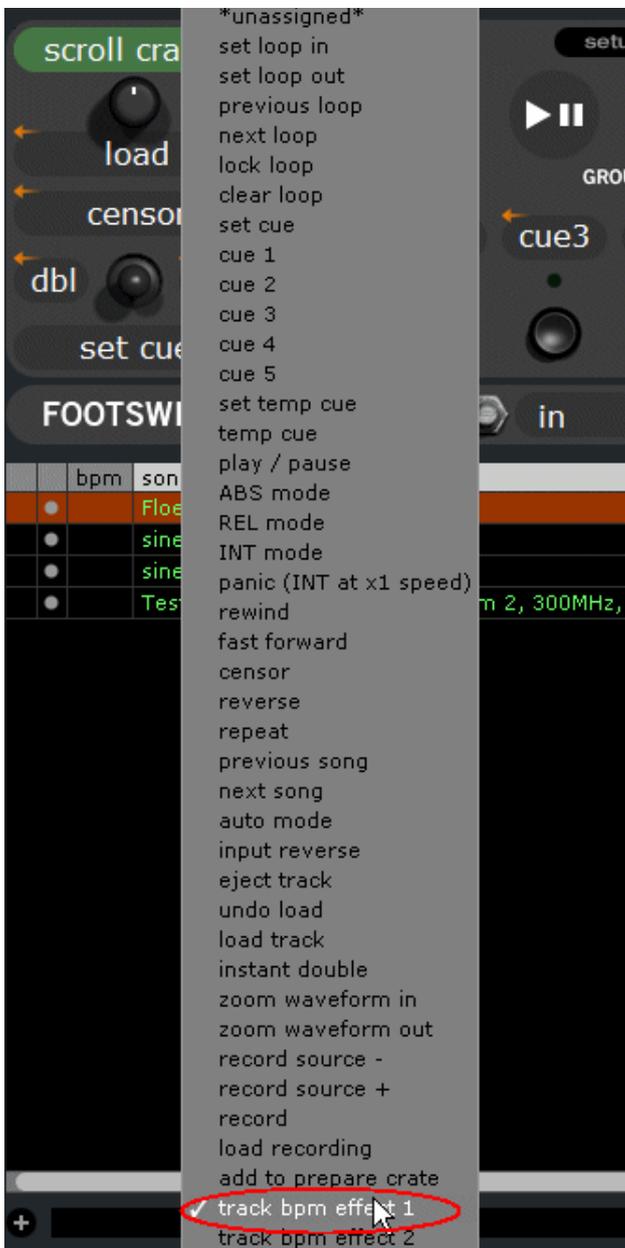
Change group 1 assignments

- Assign "track BPM" to group 1
    - Assign "track bpm EFX1" to J1, right direction, "left deck" (left joystick J1 to right direction tracks the left deck)
        1. Switch to group 1

2. Click on 'J1->right direction' with right mouseclick

3. Choose 'track bpm effect 1'

unassigned
set loop in
set loop out
previous loop
next loop
lock loop
clear loop
set cue
cue 1
cue 2
cue 3
cue 4
cue 5
set temp cue
temp cue
play / pause
ABS mode
REL mode
INT mode
panic (INT at x1 speed)
rewind
fast forward
censor
reverse
repeat
previous song
next song
auto mode
input reverse
eject track
undo load
load track
instant double
zoom waveform in
zoom waveform out
record source -
record source +
record
load recording
add to prepare crate
✓ track bpm effect 1
track bpm effect 2

4. Choose 'left deck'

selected deck
✓ left deck
right deck

- Assign "track bpm EFX1" to J2, left direction, "right deck"
  Repeats steps 1-4 as above for joystick J2.

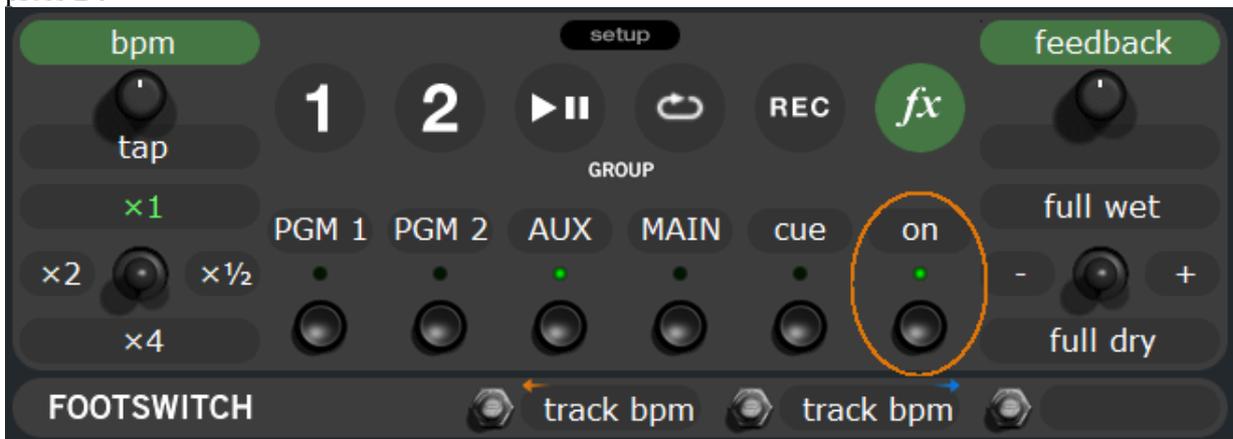# Set the echo EFX settings properly

- Switch to the EFX group
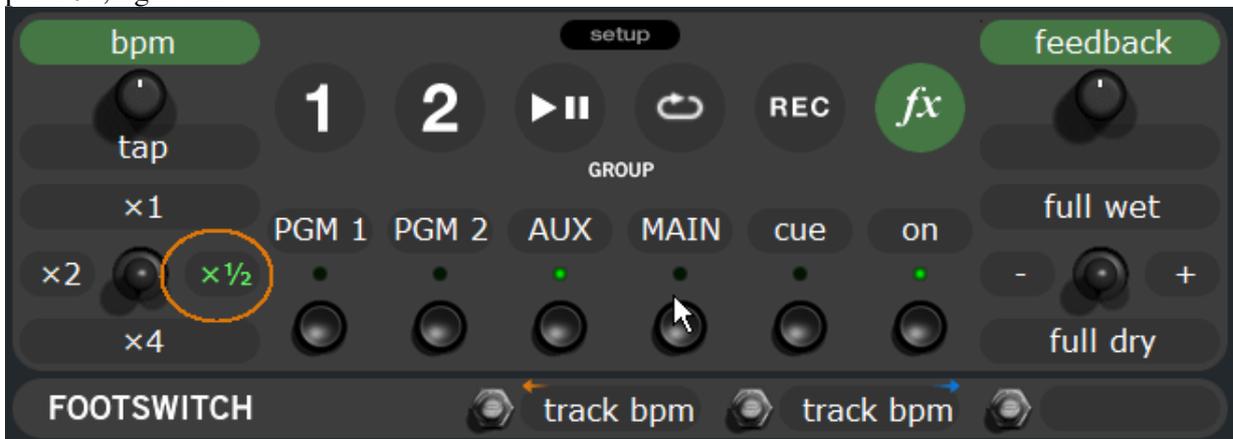 - press Group button, then B6

- Assign the echo EFX to AUX (shares it with FlexFX and Mic)[FixMe Screenshot]
  - press B3

- Turn EFX on
  - press B6

- Set the EFX parameters accordingly to your needs
  - press J1, right '1/2'

- adjust the echo parameters
  I use a wet/dry setting of 50%, feedback of around 60%

Use the EFX

Insert the EFX

So the echo EFX is now setup properly. If you want to apply them to a channel, simply press the "FlexFX" button on the respective side
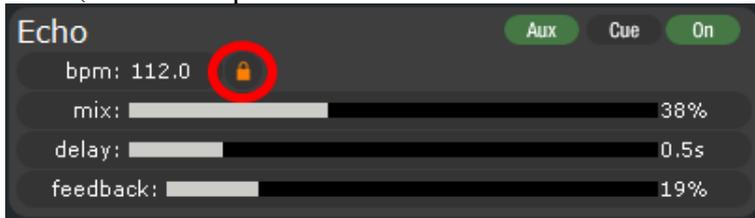

Use BPM tracking to determine speed of the echo EFX

Dont forget to push the joystick J1 to the right, if you want to echo on the left deck...

See how the padlock icon in the echo EFX parameter panel appears in **red** (anything related to the left deck is displayed in red, for example track title, beat matching display etc.) indicating that the speed of the echo is determined by the **left** decks BPM (in this example the left deck has a track loaded with 112BPM)

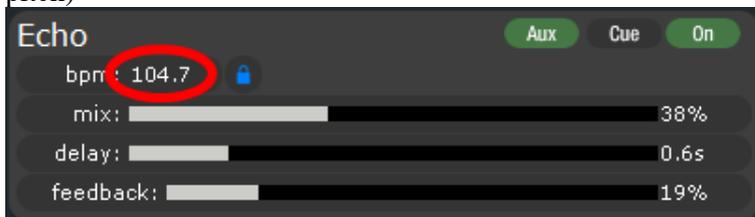Now if you want the echo speed to be determined by the BPM of the right dekc, push joystick J2 to the left

See how the padlock icon in the echo EFX parameter panel appears in **blue** (anything related to the right deck is displayed in blue, for example track title, beat matching display etc.) indicating that the speed of the echo is determined by the **right** decks BPM (in this example the left deck has a track loaded with 97BPM)

Keep in mind... choosing "track BPM for EFX" (for echo) makes the echo follow the BPM on the correct deck, it makes tapping the speed obsolete!! For example if you slow down the deck by half, then the BPM will be halved as well and the speed of the echo effect will *automatically* halved as well!

For example, the original tracks BPM at 0.0% pitch is 97BPM, I have choose to track the BPM on the right deck, now I have changed the pitched to +8%, see how the echo EFX speed has changed **automatically** to 104.7BPM (thats 97BPM +8.0% pitch)

Try it out, it is really really fantastic. Make sure your tracks have correct BPM tags!

Known Issues

If you apply the EFX as described above there are a few things you have to keep in mind:

- The signal which is sent to the FlexFX-send runs through a DAC, and then when it loops back to the FlexFX-return runs through a ADC. This means you will loose a certain amount of quality, which I assume is very very little, as the complete signal runs inside the mixer
- You cant use any external EFX at the same time
- If you connect a mic or an additional signal to AUX-in at the same time, the EFX will also be applied to any of those signals, as the AUX-in, Mic and FlexFX-return share the same ADC.

Links

Acknowledgements

Credits for this article go out to:

- nik

Todos

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