

EPHEMERE

MENU

channel1

SELECT

INPUT

EPHEMERE USER MANUAL

SPEED

PLAY|RESET

SCAN

STOP

INPUT RECORD PLAY|RES PLAY|RES RECORD INPUT

OUT1 SCAN SPEED SPEED SCAN OUT2





INTRODUCTION:

This is a high-resolution dual-channel recording interface for your signals mainly focused on recording control voltages.

You can record from 1014 sec at 172Hz up to 4 sec at 44.1kHz of signal on each channel, change the playback speed and scan through the recorded CV.

There is a dedicated attenuverter pot for your incoming signals. When nothing is patched to the input you can use the input pot as an offset/cv generator and record pot movements into the module.

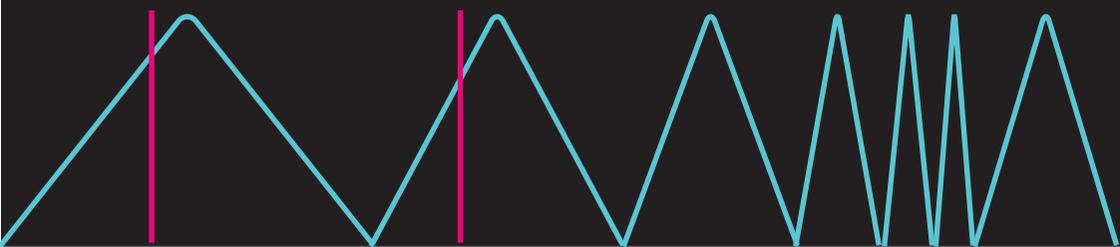
It's possible to save, load your signals and settings on the SD card up to 16GB of space

There are 4 different recording modes to choose from to make more complex signals to prepare your live performances.

INSTALLATION:

- * Disconnect your synth from the power source
 - * Double check polarity from the ribbon cable
 - * After connecting the module check again you have connected the right way, the red line should be on the -12V
 - * BE CAREFUL THE PINS FROM THE BACK OF THE PCB SHOULD NOT TOUCH ANYTHING WHILE IS POWERED
- BEWARE IF YOU DON'T FOLLOW THE STEPS DESCRIBED ABOVE DAMAGING THE MODULE, WARRANTY WILL NOT BE COVERED





INSTRUCTIONS

- (A) Signal input 1
- (B) Signal input 2
- (C) Record input trigger 1
- (D) Record input trigger 2
- (E) Play/Reset input trigger1
- (F) Play/Reset input trigger2
- (G) Outout channel 1
- (H) Outout channel 2
- (I) Scan CV input 1
- (J) Scan CV input 2
- (K) Speed CV input 1
- (L) Speed CV input 2
- (M) Attenuverter/Attenuate pot1
(if nothing patched deliver's VDC)
- (N) Attenuverter/Attenuate pot2
(if nothing patched deliver's VDC)
- (O) Speed control pot 1
- (P) Speed control pot 2
- (Q) Scan control pot 1
- (R) Scan control pot 2
- (S) Record button 1
- (T) Record button 2
- (U) Play/Reset button 1
- (V) Play/Reset button 2
- (W) Stopt button 1
- (X) Stopt button 2
- (Y) Rotatory Encoder
- (Z) Select button

Hold press select button for 2 sec will change the channel



MENUS

You can navigate through the menu by pressing SELECT BUTTON (Holding SELECT plus rotating ENCODER you can scroll the menu too) Pressing ENCODER you can go inside the selected menu, each menu function can be changed by rotating ENCODER plus pressing SELECT.

1. Hold pressing PLAY button for 3 sec, triggers to Play are ignored LED will blink, this is useful for REC Sync mult-G, repeat to disable.

2. Display: Switch display (live or playback)

a) Live: Live signal monitoring from DAC output

b) Playback: Recorded signal displayed on the OLED

3. Play: Select modes either loop or 1 shot

a) Loop: The playback of the signal will play in loop until STOP is pressed.

b) One shot: The playback of the signal will stop when it reaches the end or if STOP is pressed

4. REC: Select manual, sync, manual mult, sync mult, manual mult-G, sync mult-G

a) Manual: Pressing REC will start recording, pressing REC again will finish recording.

b) Manual mult: Pressing REC will start recording, pressing REC again will finish recording.

(If PLAY is pressed during recording, or trigger is received to PLAY input recording process will be paused, pressing PLAY again or receiving a trigger to PLAY input jack will continue recording)

c) Sync: Pressing REC will wait for a trigger from REC trigger input to start recording, when a second trigger is received to REC input again will finish recording

d) Sync mult: Pressing REC will wait for a trigger from REC trigger input to start recording, when a second trigger is received to REC input again will finish recording (If PLAY is pressed during recording, or trigger is received to PLAY input recording process will be paused, pressing PLAY again or receiving a trigger to PLAY input jack will continue recording)

e) Manual mult-G: Pressing REC will start recording, pressing PLAY will pause recording setting the end of grid, pressing REC finish recording

f) Sync mult-G: Pressing REC will wait for a trigger from REC trigger input to start recording, when a second trigger is received to REC input again will finish recording (while is recording if triggers to PLAY are received will set the grids in the recording process)

5. Record Sampling: Select between different sample rate modes and time length of recording

6. Play direction: 3 different play modes can be selected. Forward, backward, pendulum

7. CV Range: Change the offset of the incoming signal from -5/+5V or 0/10V, it can also change the offset of the recorded signal

8. File Load: Loads signals saved on the SD card

9: File Erase: Erases signals saved on the SD card

10: File Save: Saves and names signals on the SD card



11. Quantize: Select ON to quantize note values from the in/out signal.

12. Scale: Change the quantized notes values by enabling/disabling the notes from the keyboard. Rotating and pressing encoder you can set the scale in the keyboard.

CALIBRATION:

- Connect the CV out from your sequencer to Ephemere input, the output from Ephemere to your VCO, VCO out to your DAW, in your DAW open tuner VST to monitor notes. *Ephemere input pot at MAX.*
- Pressing select button you can navigate through the voltage menus.
- Pressing encoder you can access to each menu.
- Rotating encoder you can adjust values from each menu.
- Holding pressed select button while rotating encoder you can scroll up and down the voltage menus.

a) Go inside the calibration menu.

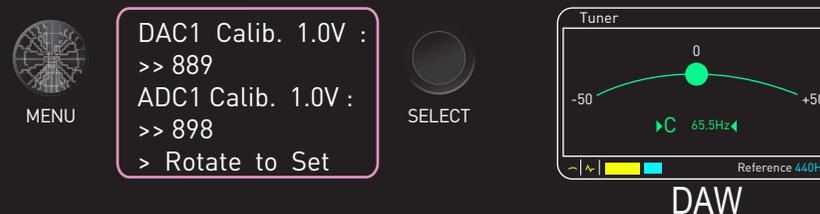
b) Go to menu 1.0V, press encoder, send from sequencer C1, in your DAW monitor the output while rotating the encoder.



When you have registered the values press select button again to exit the menu and go to 2.0V menu.

Important, every time you go inside a menu you need to send a specific voltage, ADC monitors the incoming voltage, you set C value in DAW.

c) Go to menu 2.0V, press encoder send from sequencer C2, in your DAW monitor the output while rotating the encoder.



When you have registered the values press select button again to exit the menu and go to 3.0V menu.

d) Repeat steps on every voltage menu except for 0V and 10V.

e) Because DAW can't reach C0 and C10 you will need to do something different .

- To callibrate C0 go to menu 1.0V (*don't go inside by pressing encoder, unless you want to adjust it again*) you will see in your DAW C 32.7Hz is showing because you've already calibrated, increase the frequency from your VCO until you reach next C2 monitored in your DAW, go to menu 0V (*Holding pressed select button while turning encoder you can scroll up or down menus*) Now you can adjust C0 because VCO is shifted one octave up.
- To callibrate C10 do the opposite, go to menu 9.0V, decrease frequency from your VCO one octave down, go to menu 10.0V to adjust to C.

f) Go to save menu, press encoder, rotate to save "Calib saving..."

e) Go to exit menu, press encoder and rotate. Restart the module and check calibration with quantizer ON is ok.

Otherwise start again the calibration procedure.

