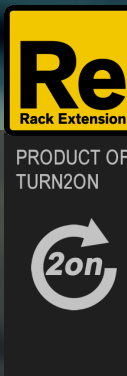




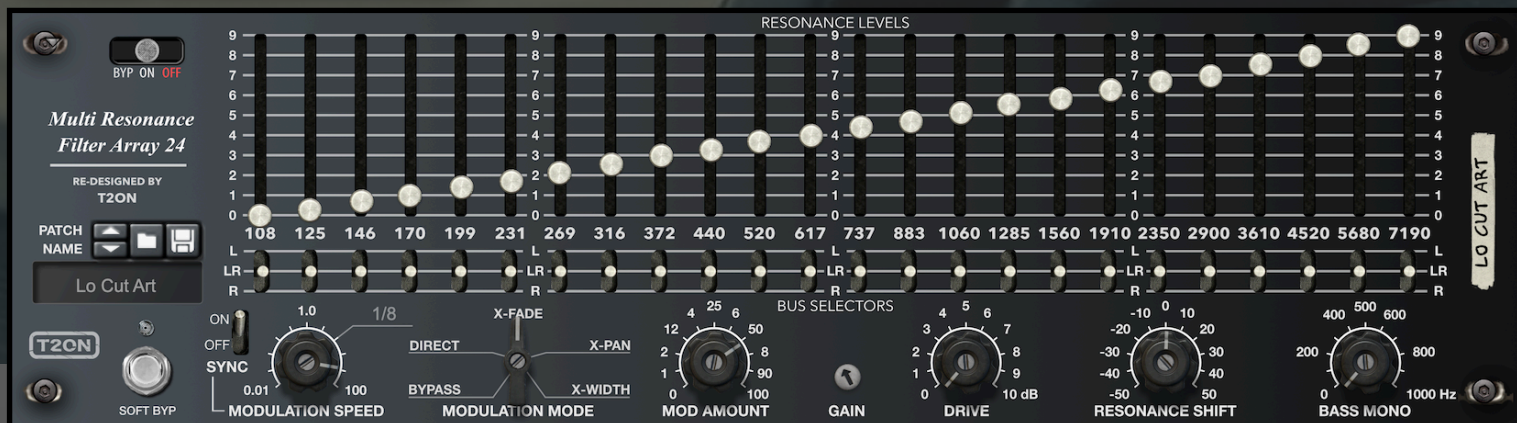
# MuRFA24

## MULTI RESONANCE FILTER ARRAY 24

[RACK EXTENSION]  
MANUAL



FX device by Turn2on Software



**MuRFA24** is an actual look at the very rare and special device, custom-made by "Formula Sound" for sound producer and musician Patrick Gleeson as one exclusive unit. Later, "Formula Sound" (TM) changed the faceplate and ran it in series.

In theory, this device is similar to the Woog String Filter, but with more tweakable possibilities and greatly expanded. This device was designed by R.A. WOOG and produced under the brand "FORMULA SOUND" (TM) in the 70s.

The original Multiple Resonance Filter Array 24 device is a fixed-frequency 24 band filter array. It allows you to simulate the natural resonances of an acoustic chamber (like a violin or other stringed instruments).

**MuRFA24** audio processor is a 24 fixed-frequency band filter array. The device radically changes the sound, but less radically than a standard low-pass filter. Incoming signals are fed through 24 steep band-pass

filters at various fixed frequencies.

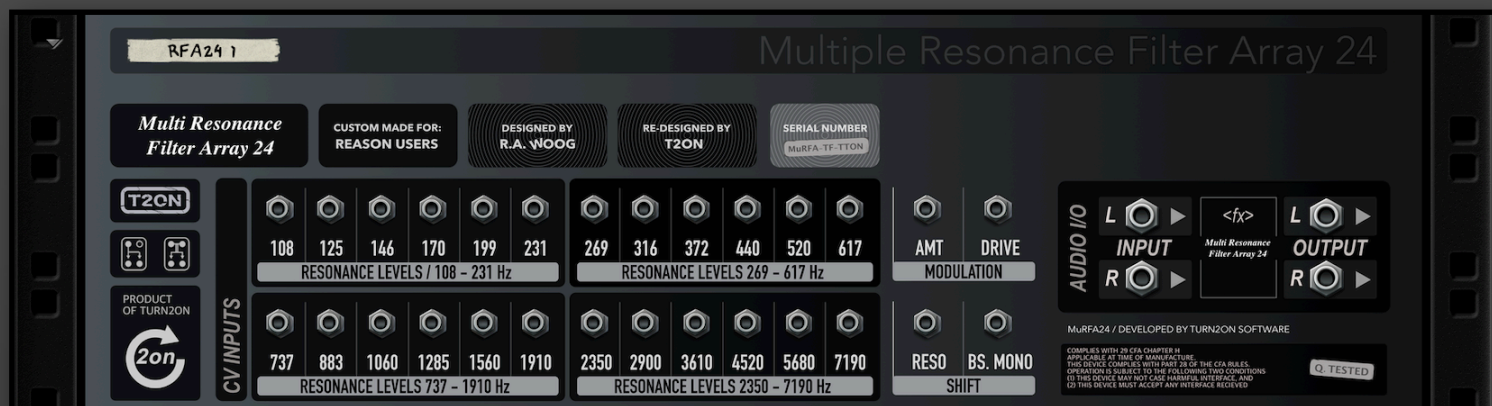
Each of the fixed-frequency bands can be assigned to one or both of the audio outputs (Left, Right, or Left & Right) by bus selector switches. When all the faders of resonance levels are down, the device is fully silent. If various frequency faders are raised, that frequency becomes audible.

The Resonance shift knob, in pair with the Drive knob, allows you to change the overall harmonic tone of the selected frequencies.

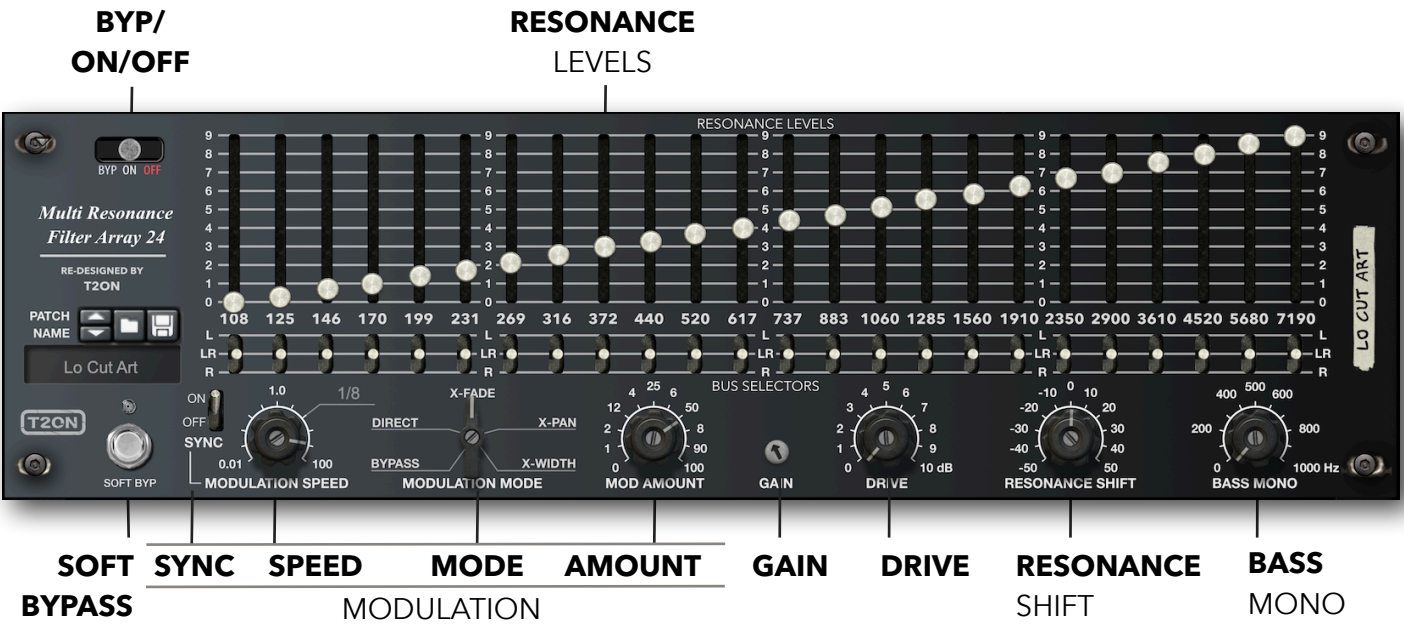
**MuRFA24** has all the original device modulation modes, but has one extra mode, X-WIDTH (bandwidth modulation between the fixed-frequency bands).

**MuRFA24** is a flexible and modern audio processor, a rare and exclusive audio effect, designed in the earliest era of audio processing in the synthesizer industry.

Try out today the legend from the era of early audio processing from the Moogish synthesis world.

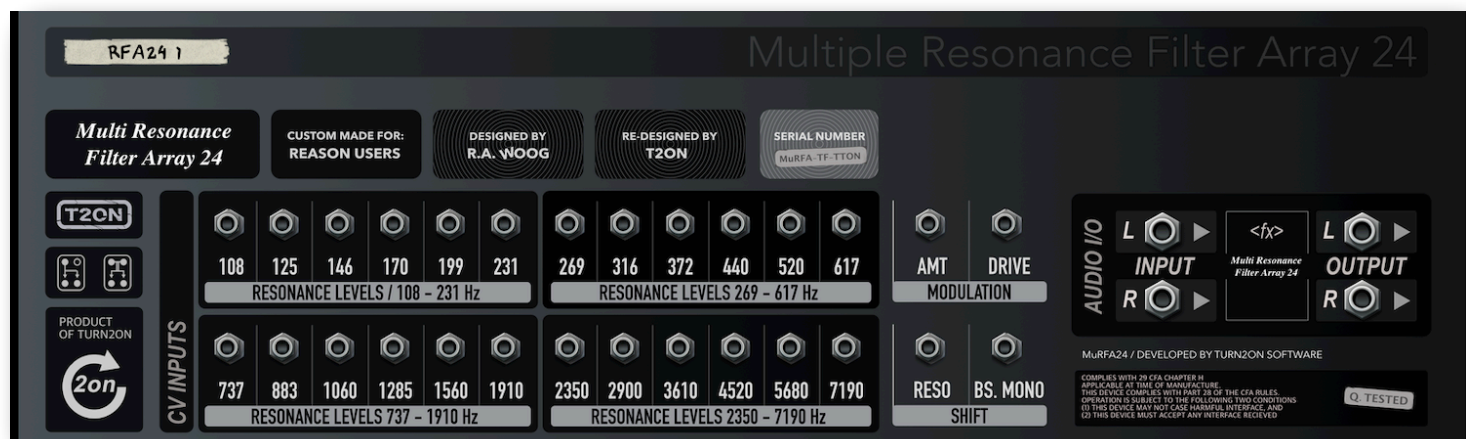


# TRANZIENT TRANSIENT SHAPER CONTROL



RESONANCE LEVELS	Individual level control of the fixed-frequency bands for all 24 filters.
BUS SELECTORS	Select output of the fixed frequency band to one or both of the audio channels (Left only / Right only / Left & Right).
RESONANCE SHIFT	Adjust the bandwidth of all 24 filters. Turning this knob down makes the effect is inaudible (no stringy sound), turning it up way will sound clang and metallic
DRIVE	Gain control of the input signal allows boosting it up to +10 dB
GAIN	Output gain control allows reducing the output signal by up to -inf or boost it up to +6 dB
BASS MONO	Frequency below which stereo width will be reduced to zero / mono signal (0 Hz .. 1 kHz)
MOD SPEED	Set speed control value of the internal FX modulation of the resonance levels.
MOD SYNC	Set mode of the internal LFO. If SYNC is OFF: works in range 0,01Hz .. 100Hz If SYNC is ON: works tempo synced to quaternote steps
MOD MODE	BYPASS: Modulation is disabled. The signal is routed to the fixed-frequency filter-bank. DIRECT: Modulation of the all 24 band levels at the same time. X-FADE: Modulation cross-fade between the bands Level. X-PAN: Modulation cross-fade between the bands Pan X-WIDTH: Modulation cross-fade between the bands Width (work for stereo signals)
MOD AMOUNT	Modulation level from LFO affected to the output signal
ENABLE BYP/ON/OFF	BYPASS - disable effect ON - enable effect OFF - mute incoming signal
BYPASS	Soft Bypass with smoothed fade in/out functionality

# REAR PANEL



## AUDIO INPUT/OUTPUT:

Mono or Stereo connections for audio signals.

## CV INPUTS

Use these CV inputs to control the main parameters by external CV source curves



## SIGNAL ROUTING ICONS

This is a true stereo device





# MuRFA24

Multi Resonance Filter Array 24

 Reason Studios Add-on Shop



## Turn2on

Rack Extension Developer

contacts: <https://turn2on.com/>  
[support@turn2on.com](mailto:support@turn2on.com)

Thanks to all beta-testers,

**Special thanks to**

- MrFigg (Cameron Jeffrey)

- Philip Meadows (Despondo)



***Thank you very much for supporting us by choosing our products.***

***This allows us to develop future interesting and creative effects / utilities / instruments in the Rack Extension format.***



***Don't hesitate to contact support with any questions regarding our products or to offer your own ideas for product updates or even new products you would like developed.***

*Please support us by rating our REs on the ReasonStudios product page using the Add-on Shop rating.*