

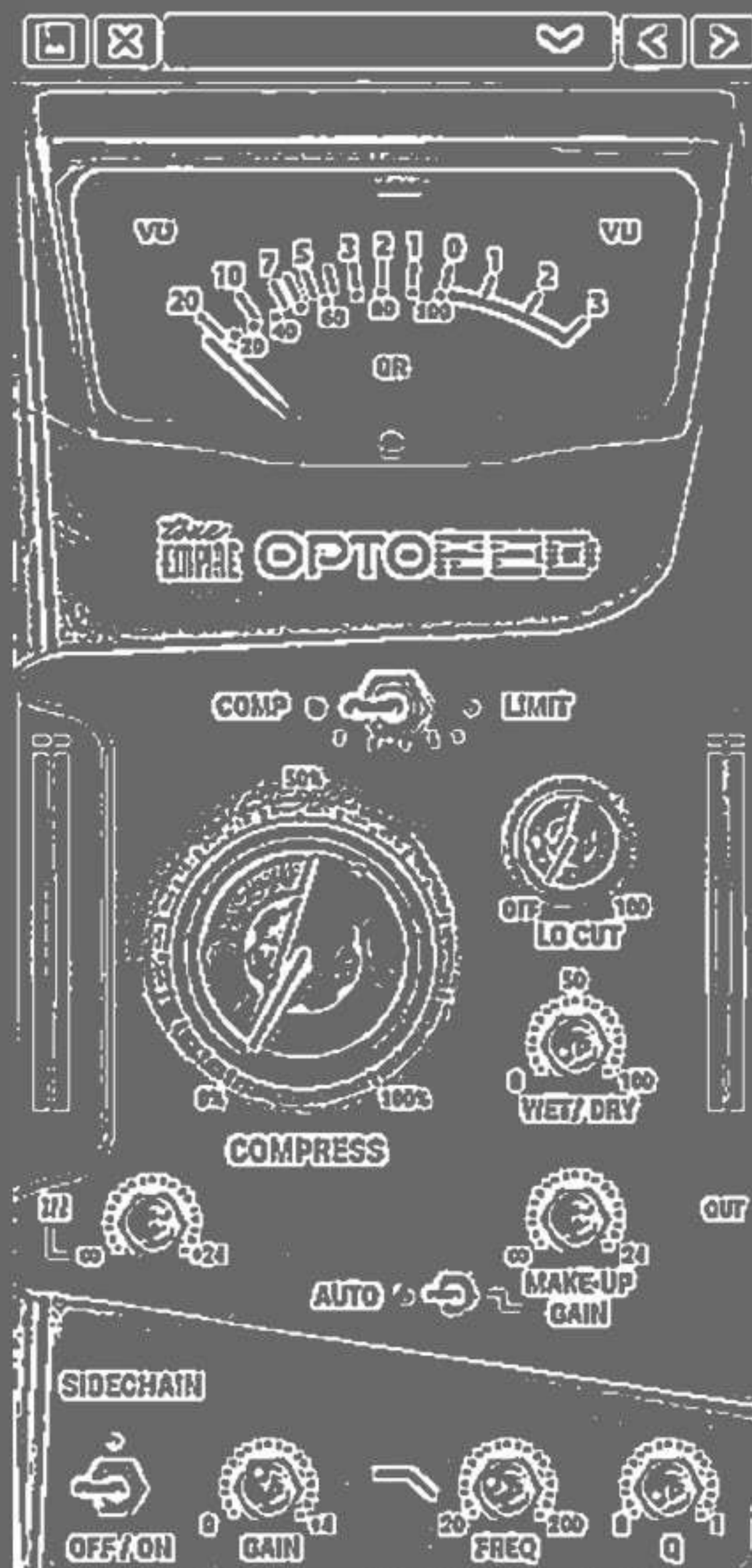
"Enhanced Classics"

OPTORED



**OPTORED IS A TRANSPARENT
OPTICAL ATTENUATOR (COMPRESSOR) BASED
ON THE CLASSIC AMERICAN UNIT USED ON
COUNTLESS HIT RECORDS.**

**THIS IS PART OF OUR NEW
“ENHANCED CLASSICS” SERIES.**



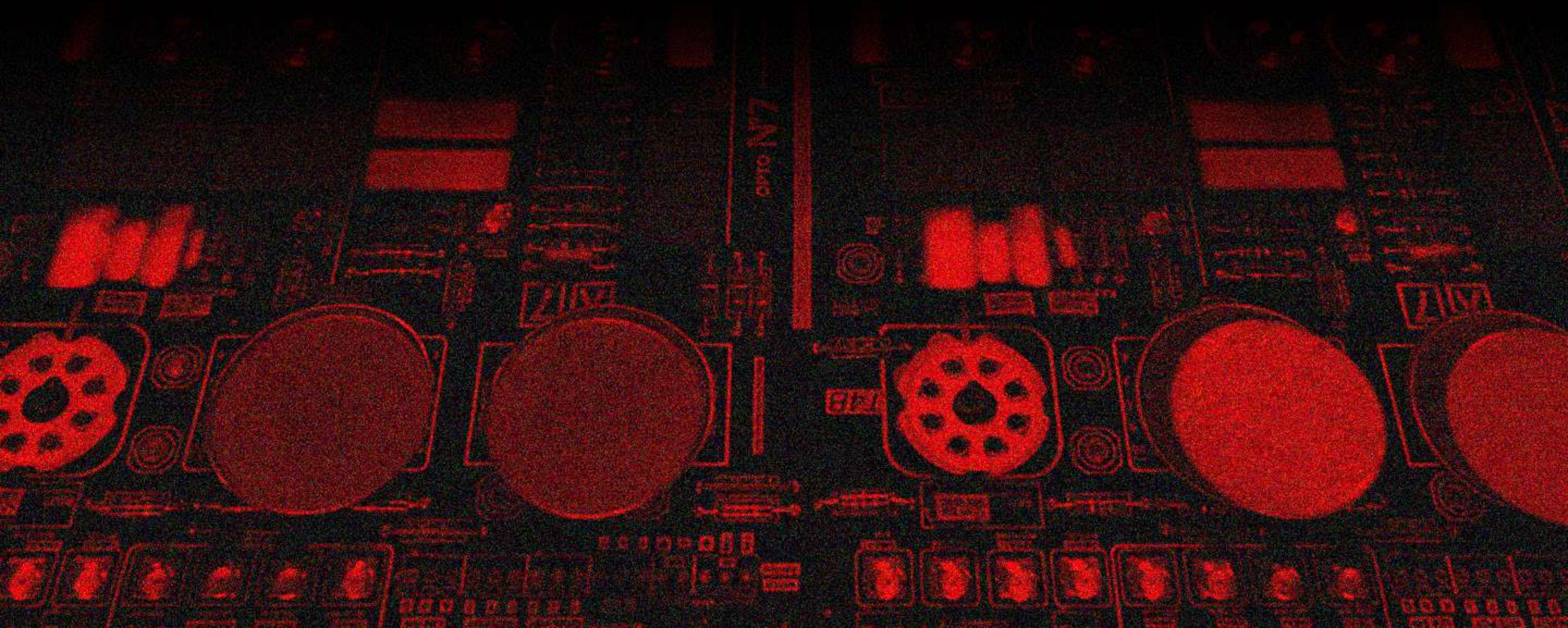
ANALOGY

Compression is one of the most important tools in the arsenal of an Engineer, Music Producer & Artist alike. This is now a device that far surpasses its original intent which was to control the level of the sound automatically.

At Tone Empire,
we are inspired by these classic devices yet yearn to bring extended functionality to today's modern musicians, engineers & Producers working on advanced systems with a need for more flexibility and extended tones.

HENCE WE HAVE NOW STARTED
A NEW SERIES OF PROCESSORS CALLED

“Enhanced Classics”



The first of this series is the OptoRed Compressor. As the name suggests, this is an optical compressor based on the famous American Classic Tube Optical Compressor, found on literally every hit record ever made.

The idea was to start with a 1:1 emulation and then take thing way beyond the original functionality.

This optical compressor has a built in side chain circuit , allow pass filter, automatic gain, wet/dry mix and other features. This allows it to go beyond the original intent of just being suitable for vocals and bass.

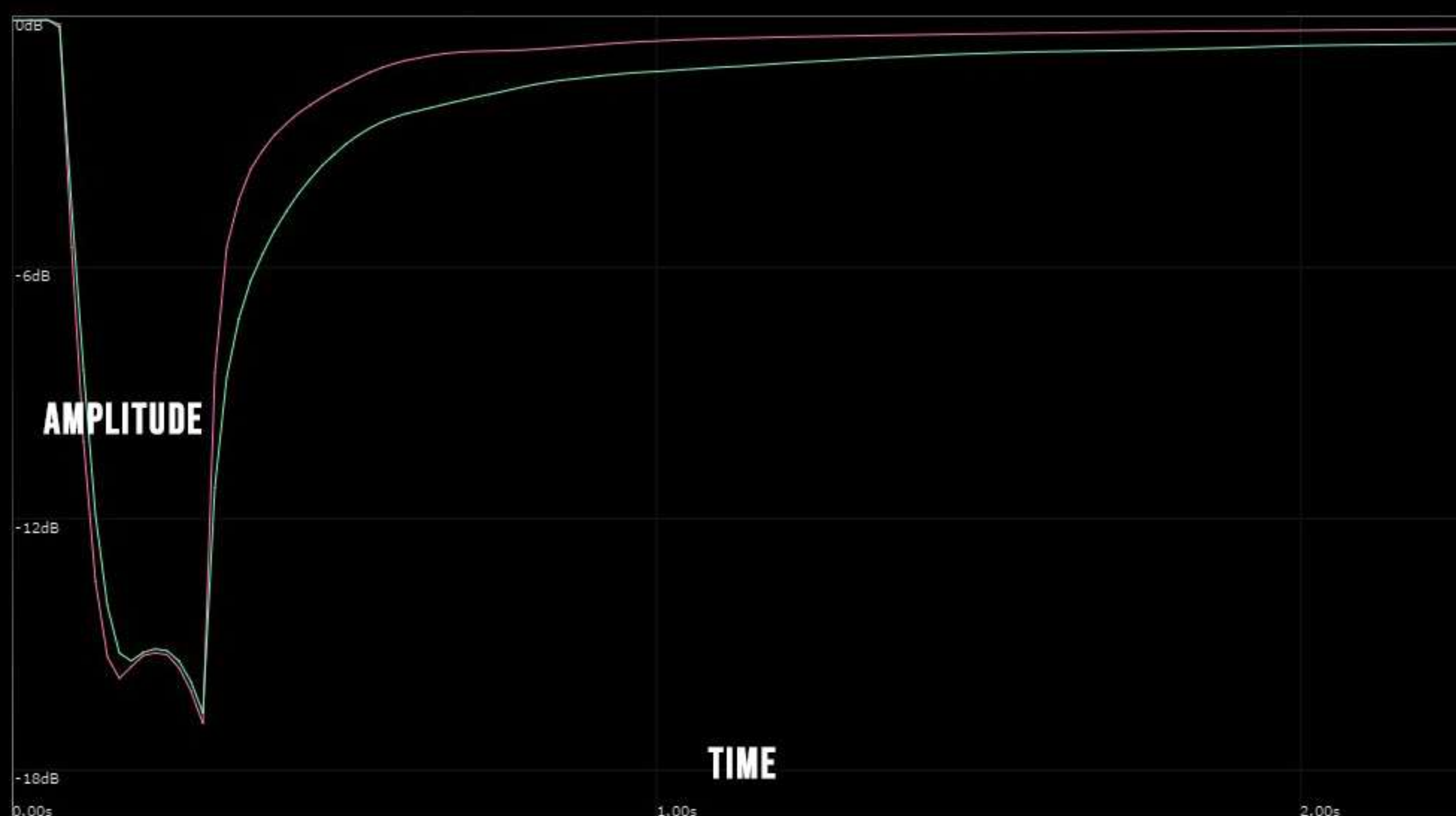
**OPTORED
KILLS ON DRUMS,
SYNTHS, PERCUSSION AND BOTH
ELECTRONIC & ACOUSTIC INSTRUMENTS.**

Try the demo version to check out the OptoRED.
15 DAY FULL VERSION TRIAL AVAILABLE

The Lo Cut filter is designed to let the artist use this as a tracking compressor as well, getting rid of unwanted low frequencies at the time of tracking, yet get a low latency compressed signal perfect for tracking.

Unlike the original classic, Optored is super clean and does not import any unwanted “coloration”.

Transparency was the key design feature here!
Like an Analog Optical Compressor, the OptoRed has 2 release times, one quick and one very slow, this is the “secret” sauce that keeps instruments sounding smooth and not “compressed”



**RELEASE TIME GRAPH of OptoRED
is based on the T4B Opto Attenuator Cell**

CONTROLS

COMPRESSION SECTION

COMPRESS KNOB:

This knob works counter-clockwise and is the “threshold” control for the compressor. The range is set from +10dB to -30dB. Turning “right” means more compression.

COMP | LIMIT SWITCH:

This switch will toggle the device between a smaller compression ratio and a very large compression ratio. So you can choose between a Compressor Mode or Limiter Mode.

FILTER & MIX SECTION

LO CUT KNOB:

This is a 12 dB Low-cut shelving filter which goes from an “off” setting to 100 hz. This has been implemented to help the user automatically filter out the very low frequencies when tracking vocals, bass and other instruments. This is a useful feature designed for the convenience of the user.

WET / DRY MIX KNOB:

On the left most position, this knob only allows the processed “compressed” signal to pass through. Moving the control counter-clockwise to the right mixes in a percentage of the original “dry” signal. This gives the user more tone shaping and “parallel processing” options needed in today’s workflow.



SIDECCHAIN FILTER SECTION

SIDECCHAIN ON /OFF SWITCH:

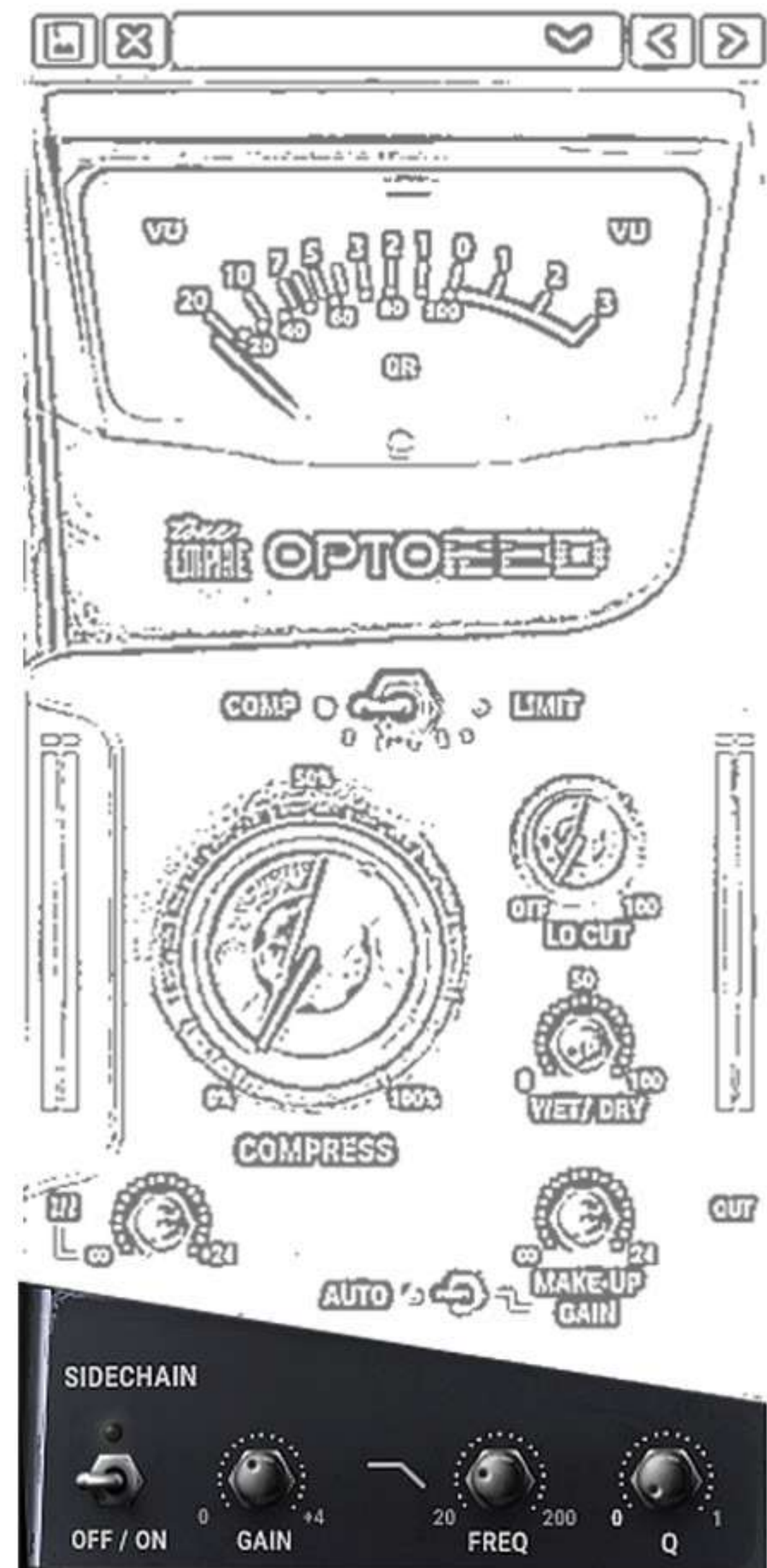
This turns on or turns off the “sidechain” circuit. This system consists of a low pass filter(24dB / oct) with settings that allow further tone shaping by allowing a certain range of frequencies to be used as a trigger for the compressor.

This section is specially useful for shaping bass heavy material such as a drum mix or bass guitar / bass synth etc.

GAIN , FREQ & Q CONTROL KNOBS:

Once this section is at an “on” setting the compressor basically gets fed a filtered version of the incoming signal to trigger the side chain. The gain increases or decreases the level of the trigger signal.

The Freq (range 20 hZ to 200 hZ) is the range of the lo pass filter and the q sets the slope of the filter.



AUTO GAIN & INPUT / MAKE UP GAIN

IN GAIN CONTROL KNOB:

The In Knob controls the level of the input signal entering the Opto Processor with a range of -48db (silence) to +24 dB. This will affect the threshold of the processor.

AUTO SWITCH -ON/OFF:

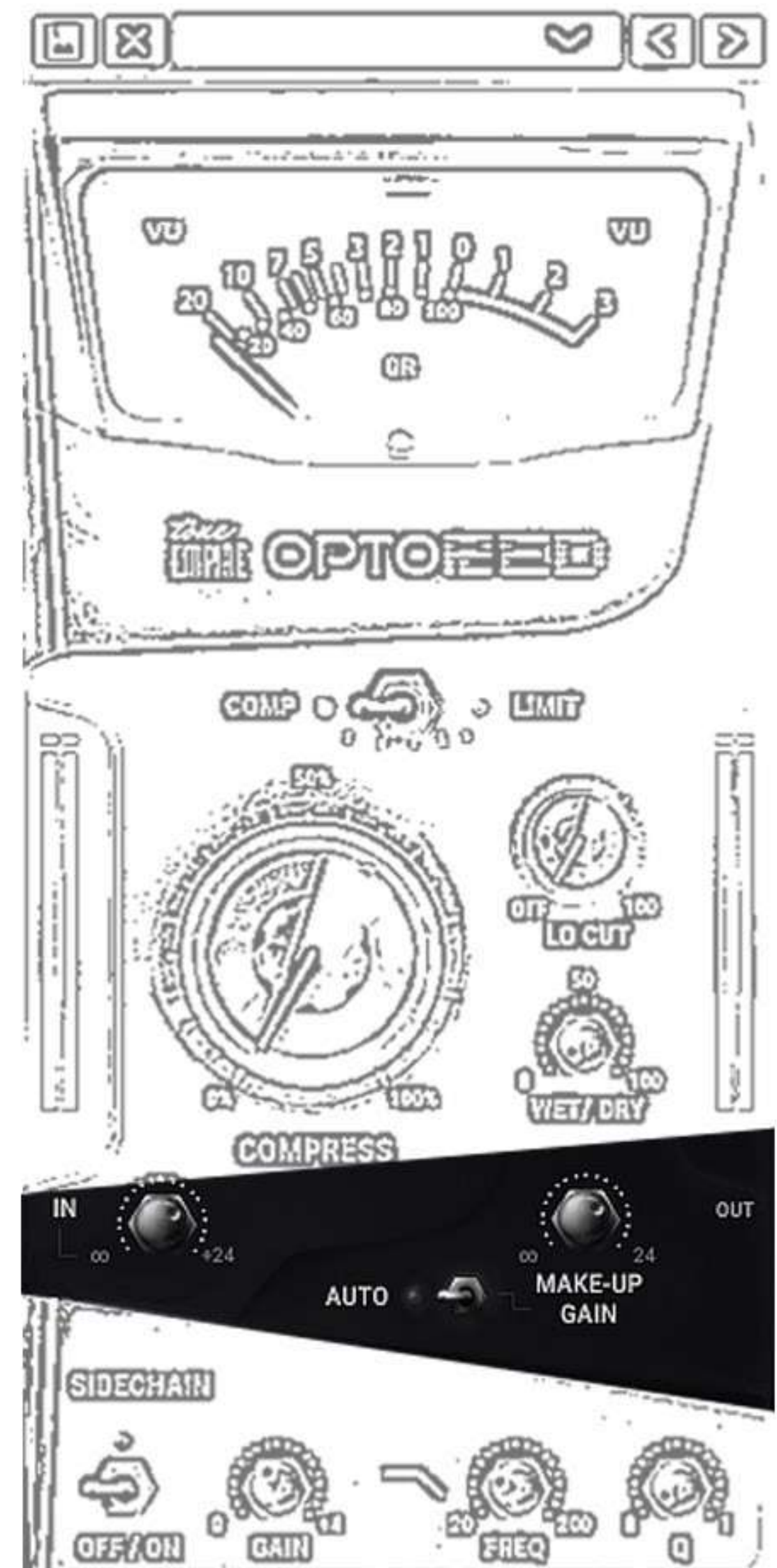
This switch toggles between switching on or off the AutoGain circuit. The AutoGain system is designed to increase the gain of the signal post compression and is affected by the threshold knob.

The more we turn the threshold knob to the right, the more the gain added to the compressed signal.

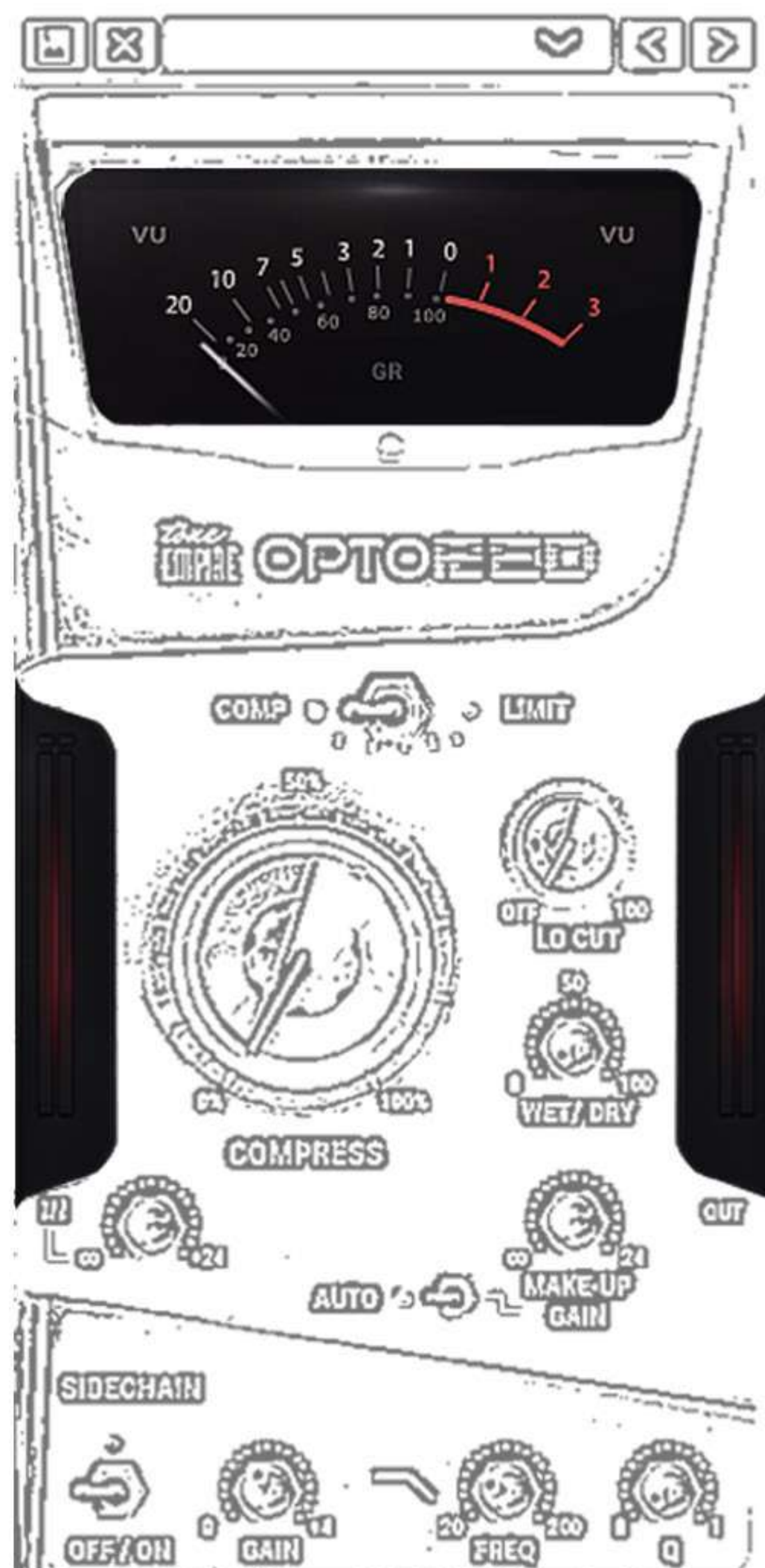
MAKE-UP GAIN KNOB:

This control handles the level of the processed signal post the AutoGain system and can be used to reduce or increase the levels of the processed signal.

The range of this control is from -48dB to +24dB.



GAIN REDUCTION AND I/O METERING



PRESETS & FILE MANAGEMENT

We have carefully created really great and practical presets in various categories .
These were created in real mixing and tracking sessions to get more useful and practical settings for our users.

Use the presets also as a starting point and then use the controls to fine shape and tune the dynamics to your taste and sensibilities.

You can also easily save and delete your own presets and share them with your friends.



PLUGIN FORMATS:

MAC OSX – VST3/AU/AAX – 64BIT

WINDOWS – VST3/ AAX – 64 BIT

PC/MAC : WINDOWS 10 OR LATER. / OSX

10.13 OR LATER*

SYSTEM MINIMUM REQUIREMENTS:

INTEL I3 / AMD RYZEN OR EQUIVALENT

2 GB RAM / 300 MB HD

SCREEN RESOLUTION: 1024×768

VST3, AU, OR AAX 64-BIT HOST

INSTALLATION ON OSX:

- DOWNLOAD THE OPTORED.PKG FILE
- DOUBLE CLICK ON THE PACKAGE ZIP AND CLICK OPEN
- FOLLOW THE INSTRUCTIONS TO INSTALL THE PLUG-IN(S)

INSTALLATION ON WINDOWS:

- EXTRACT OPTORED WIN.ZIP AND RUN OPTORED.EXE
- FOLLOW THE INSTRUCTIONS TO INSTALL THE PLUG-IN(S)

SETUP AND REGISTRATION:

AUTHORIZING TONE EMPIRE PRODUCTS IS REALLY EASY TOO.

WHEN YOU OPEN THE PRODUCT FOR THE FIRST TIME IT WILL OPEN IN TRIAL MODE. IT WILL ASK YOU FOR YOUR AUTHORIZATION CODE (YOU ONLY NEED TO DO THIS ONCE FOR THE PRODUCT).

YOU CAN CONTINUE IN TRIAL MODE BY SELECTING ” DEMO: FROM THE TOP BAR.

IN “TRIAL MODE” THE PLUGIN WILL WORK AS A FULLY FUNCTIONAL SOFTWARE FOR UP TO 15 DAYS. AFTER THE TRIAL PERIOD IS OVER, THE PLUGIN WILL STOP WORKING.

TO MAKE THE PLUGIN WORK AGAIN, PLEASE CLICK THE “GET SERIAL” BUTTON ON THE REGISTRATION WINDOW. THIS WILL TAKE YOU TO THE PRODUCT PAGE ON OUR TONE EMPIRE WEBSITE, WHERE YOU MAY PURCHASE THE FULL VERSION OF THE PLUGIN.

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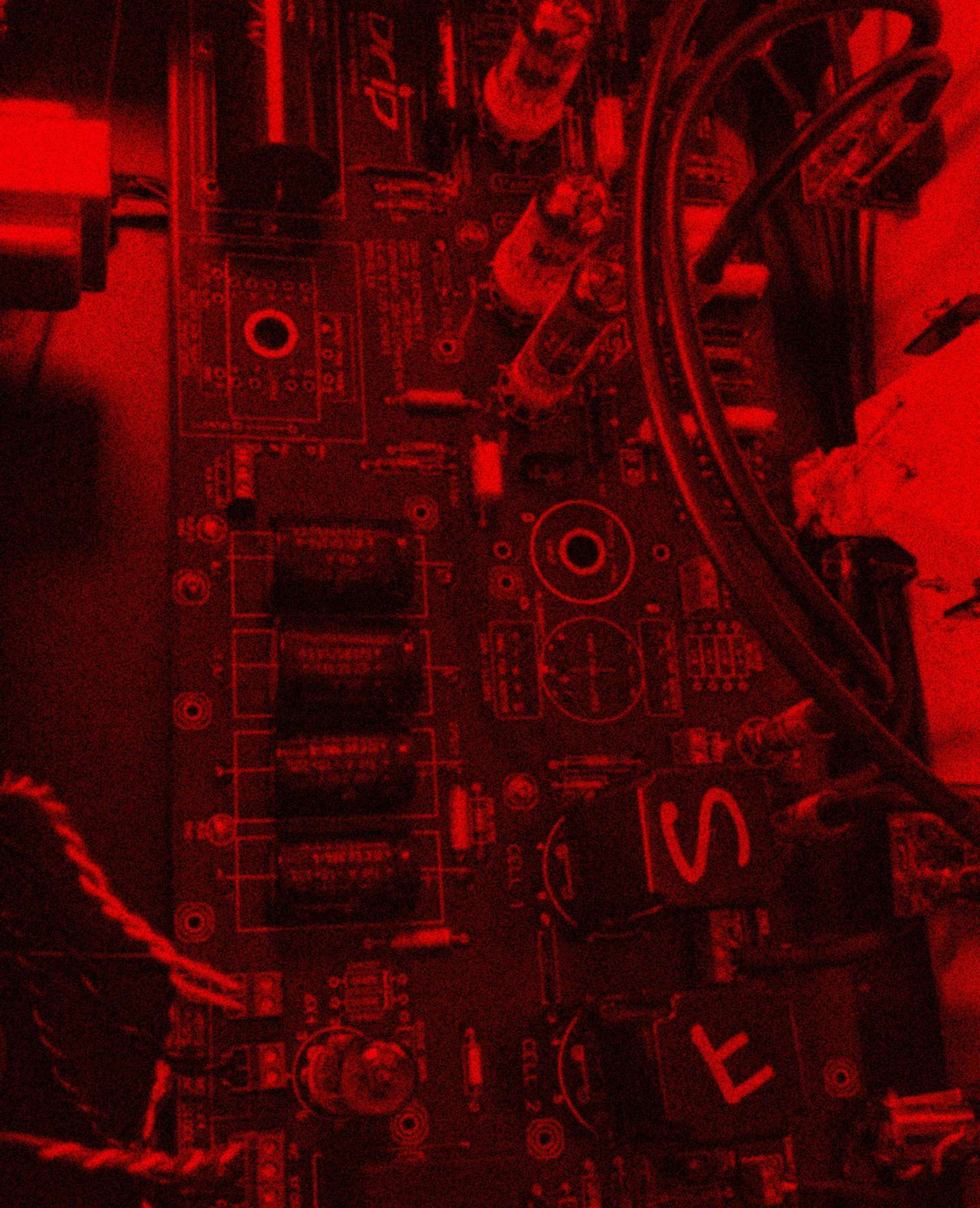
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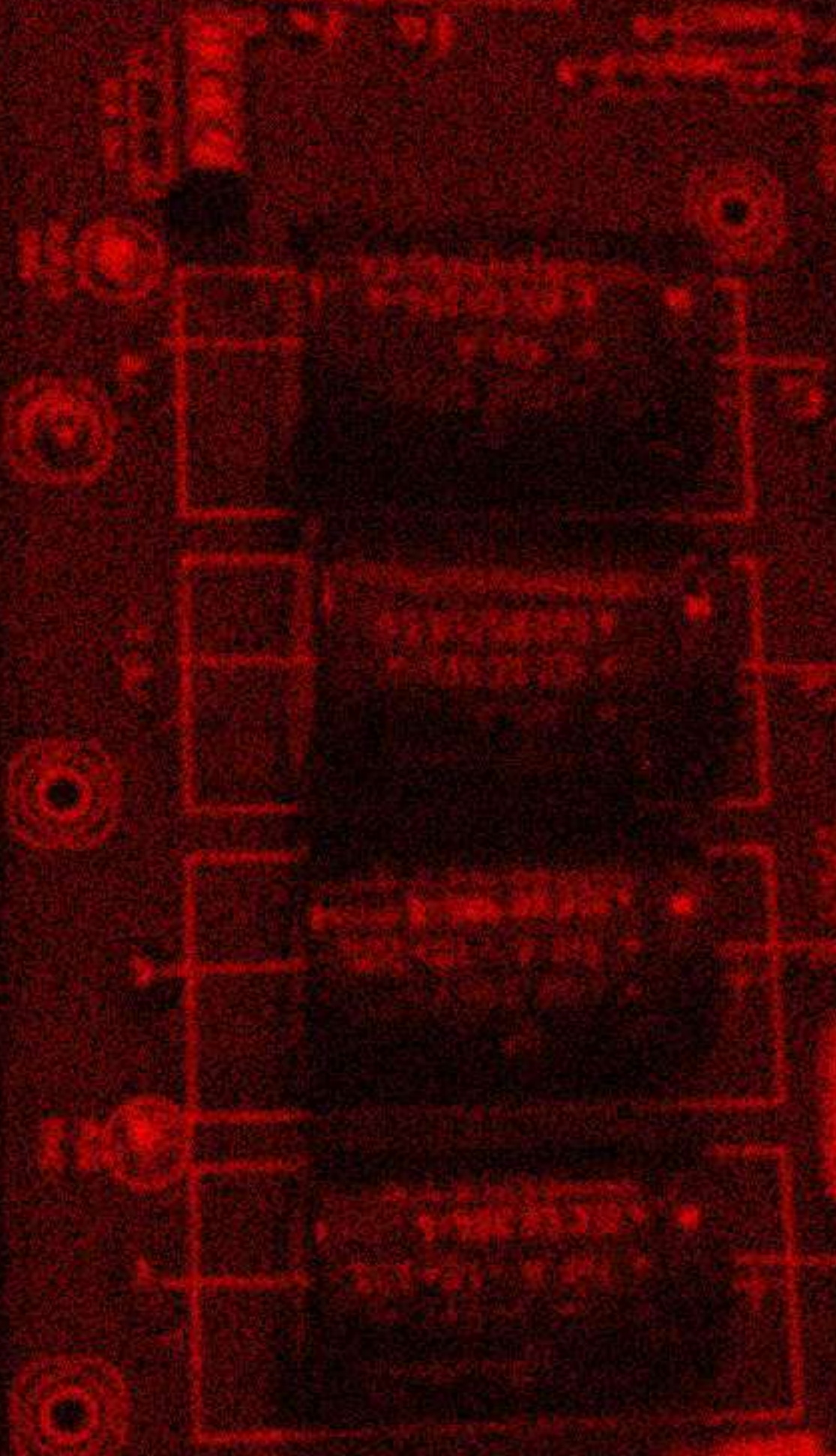
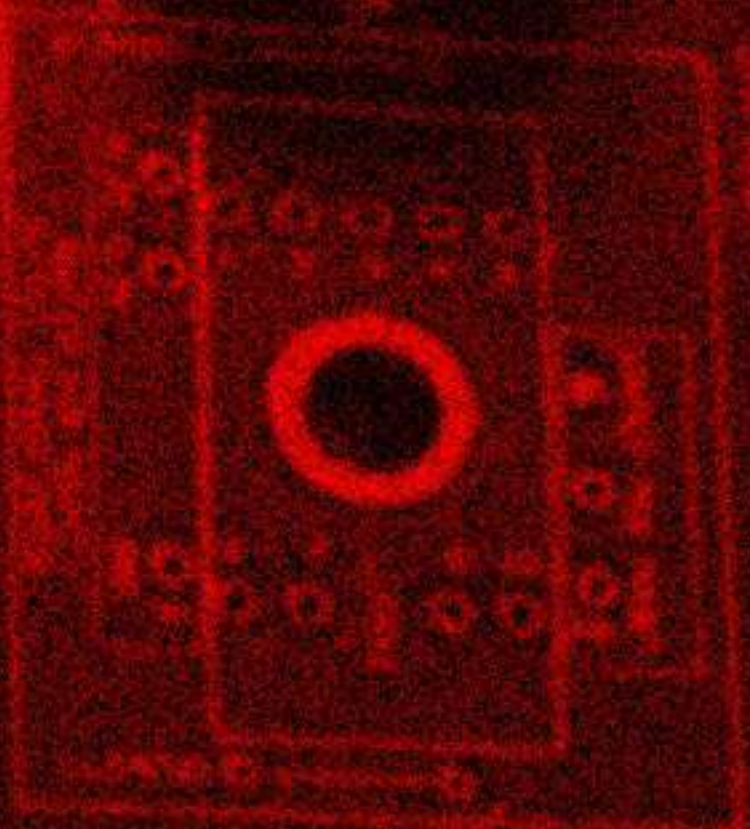
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