

VT-747SP QUICK SET-UP OPERATING GUIDE

LF and HF THRESHOLD

Range -15dB to +15dB, detent at 0dB, clockwise rotation raises the threshold (less compression) and counter clockwise rotation lowers the threshold (more compression) at the frequencies set by the LF (low frequency) and HF (high-frequency) spectral frequency controls located directly below

INPUT GAIN

Trims input level -20dB to +8dB detent at 0dB (+18dB with +10dB IN)

THRESHOLD

Sets compressor input threshold from -30dB to +20dB

EQ to COMP

Inserts the six (6) band EQ pre the compressor

Blue LED Indicates compressor speed and activation

SC Listen Switch (in) for Spectral EQ into audio path to monitor SC

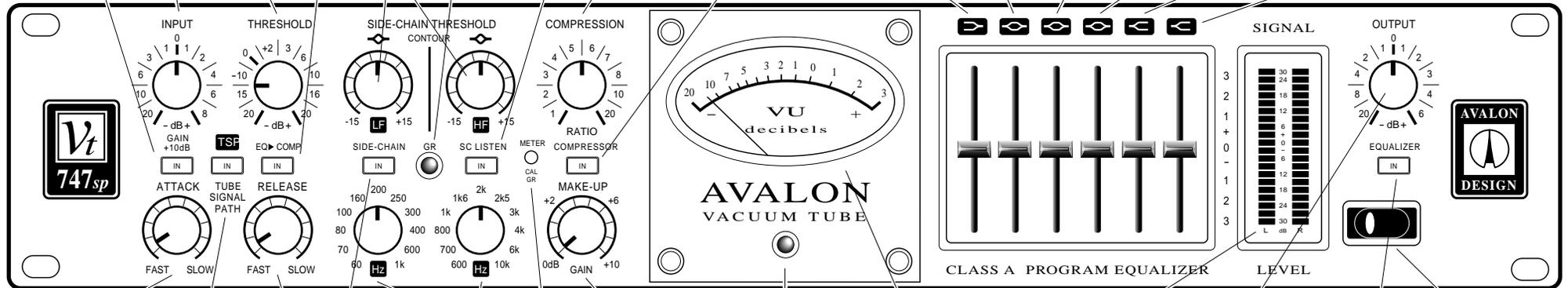
COMPRESSION

Sets ratio of compressor from 1:1 to 20:1

COMPRESSOR Switch (in) engages compressor into signal path (hard-wire bypass)

SIX (6) BAND PASSIVE CLASS A, PROGRAM EQUALIZER

- | F1 | F2 | F3 | F4 | F5 | F6 |
|---|---|--|--|---|---|
| Boost-cut sets amplitude of low-bass -24dB to +24dB detent at 0dB | Boost-cut sets amplitude of mid-bass -8dB to +8dB detent at 0dB | Boost-cut sets amplitude of low-mid -4dB to +4dB detent at 0dB | Boost-cut sets amplitude of mid-range -4dB to +4dB detent at 0dB | Boost-cut sets amplitude of presence -10dB to +10dB detent at 0dB | Boost-cut sets amplitude of treble -20dB to +20dB detent at 0dB |
| 15Hz shelf | 125Hz peak-dip | 500Hz peak-dip | 2kHz peak-dip | 5kHz shelf | 32kHz shelf |



ATTACK Variable attack time for the compressor 2mS to 200mS

TSP Twin Signal Path Switch (in) swaps three (3) tubes into the audio path from discrete Class A amps.



SIDE-CHAIN Inserts spectral EQ into side-chain

RELEASE Variable release time for the compressor 100mS to 5S

SPECTRAL Sweep frequency for LF and HF bands, used with above threshold controls

MAKE-UP 0dB to +10dB variable gain on opto-compressor

METER Recessed screwdriver adjust for 0dB gain-reduction meter trim.

POWER LED Indicates ac power is on

METER High quality VU meter indicates gain reduction 0dB to -20dB

OUTPUT METER Fast LED meter indicates both L-R spectral content and output level -30dB to +30dB

OUTPUT LEVEL Stereo output level control -20dB to +6dB detent at 0dB

EQ Switch (in) activates 6 band passive EQ into audio path (hard-wire bypass)

AC POWER
Note: Check rear power input connector for correct local ac voltage. Allow forty seconds for the soft-start procedure to activate the the audio signal path.

Note: For the best sonic performance, allow thirty minutes for warm-up.

When not in use, turn the ac off. This will extend the life of the electronics . . . Enjoy!

AVALON
Class A Vacuum Tube
STEREO SPECTRAL OPTO-COMPRESSOR WITH TSP
VT-747SP
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Note: Knob settings shown represent starting positions only.