

VT-737SP QUICK SET-UP OPERATING GUIDE

INPUT
Selects input source:
Line XLR balanced,
Instrument 1/4" jack
unbalanced, Mic
XLR balanced

INPUT MODE
High gain
Line +8dB
Inst +18dB
Mic +18dB
Phase inverts
the polarity of all
(3) input sources
+48v phantom power
to Mic XLR input

THRESHOLD
Sets compressor
-30dB to +20dB

EQ to COMP
Places the
EQ pre the
compressor

METER
Selects gain-
reduction (in)
or output (out)

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

COMPRESS
Switch (in) engages
compressor into
signal path

VU METER
High quality
VU meter
indicates line
output level
or compressor
gain reduction
0 VU= +4dB

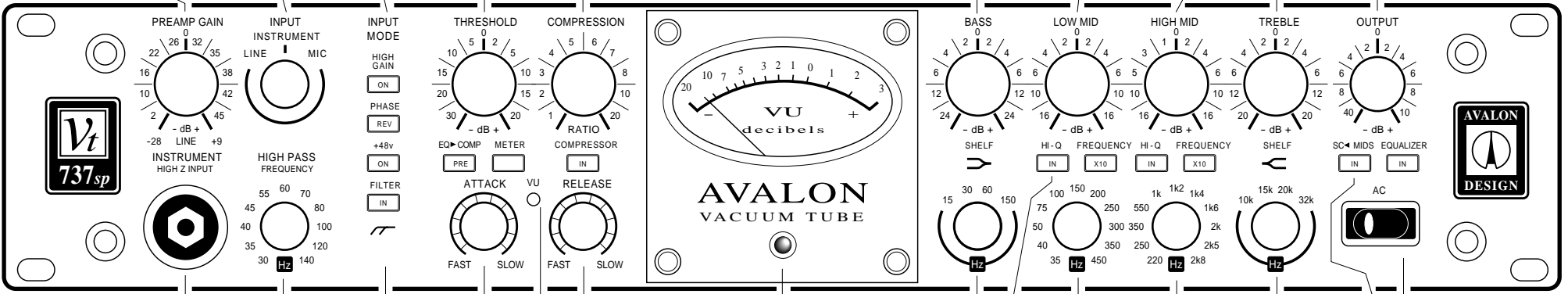
BASS
Boost-cut
sets amplitude
of low range
-24dB to +24dB
with center detent
at 0dB
Shelf response

LOW MID
Boost-cut
sets amplitude
of mid range
-16dB to +16dB
with center detent
at 0dB
Peak-dip response

HIGH MID
Boost-cut
sets amplitude
of mid range
-16dB to +16dB
with center detent
at 0dB
Peak-dip response

TREBLE
Boost-cut
sets amplitude
of high range
-20dB to +20dB
with center detent
at 0dB
Shelf response

OUTPUT
Trims final
output level
-40dB to +10dB
with center detent
at 0dB



PREAMP GAIN
Trims input level
Line -20 to +10dB (+18dB)
Inst -30 to +10dB (+28dB)
Mic 0 to +40dB (+58dB)

INSTRUMENT
1/4" unbalanced
mono phone jack.
1 meg ohm high-z
input for keyboards,
passive & active,
acoustic, bass and
electric guitars

FILTER
Variable
bass cut filter
6dB per octave
passive type
30Hz to 140Hz

HI PASS (in)
engages bass
cut filter

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

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

POWER LED
indicates ac
power is on

BASS
4-position switch
selects turnover
passive design
shelf frequency
15Hz to 150Hz

LOW MID
Vari frequency
35 to 450Hz
x10
350 to 4k5Hz

HIGH MID
Vari frequency
220 to 2k8Hz
x10
2k2 to 28kHz

TREBLE
4-position switch
selects turnover
passive design
shelf frequency
10kHz to 32kHz

AC POWER
Note: Check
rear power input
connector for
correct local
ac voltage. Allow
forty seconds for
the tubes to
stabilize prior
to use.

Bandwidth (Q)
(in) = narrow † (Q=0.5)
(out) = broad ◇ (Q=0.2)

EQ to SC
Routes the mid band
EQ sections (2) into the
compressor side-
chain for de-ess,
effects and frequency-
selective compression.

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 DIRECT RECORDING SIGNAL PATH VT-737SP

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Note: The bass and treble
EQ sections **remain in**
the audio path when
the EQ switch is (in)