

INPUT

PEAK	PEAK	PEAK	PEAK	PEAK	PEAK	PEAK
GAIN	GAIN	GAIN	GAIN	GAIN	GAIN	GAIN
HI	HI	HI	HI	HI	HI	HI
MID	MID	MID	MID	MID	MID	MID
LO	LO	LO	LO	LO	LO	LO
PRE POST MONITOR	PRE POST MONITOR	PRE POST MONITOR	PRE POST MONITOR	PRE POST MONITOR	PRE POST MONITOR	PRE POST MONITOR
PRE POST REVERB	PRE POST REVERB	PRE POST REVERB	PRE POST REVERB	PRE POST REVERB	PRE POST REVERB	PRE POST REVERB
PRE POST EFFECTS	PRE POST EFFECTS	PRE POST EFFECTS	PRE POST EFFECTS	PRE POST EFFECTS	PRE POST EFFECTS	PRE POST EFFECTS
LEFT RIGHT PAN	LEFT RIGHT PAN	LEFT RIGHT PAN	LEFT RIGHT PAN	LEFT RIGHT PAN	LEFT RIGHT PAN	LEFT RIGHT PAN
6	7	8	9	10	11	12
VOLUME	VOLUME	VOLUME	VOLUME	VOLUME	VOLUME	VOLUME

POWER

POWER

METERING

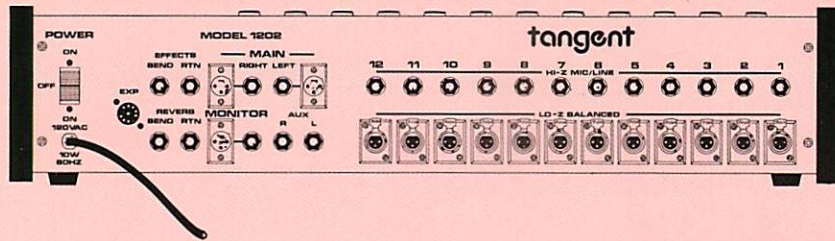
LEFT	RIGHT	MONITOR
+3	+3	
0	0	
-2	-2	
-5	-5	
-10	-10	
-15	-15	
-20	-20	

MASTER

LEVEL	MAIN MON SOURCE	10KHZ
BASS REVERB EQUALIZATION	TREBLE	3KHZ
REVERB	REVERB	1KHZ
EFFECTS	EFFECTS	250HZ
AUX	AUX	80HZ
LEFT	RIGHT	MONITOR
VOLUME	VOLUME	VOLUME

model 1202 • model 802

PROFESSIONAL SOUND RE-INFORCEMENT / SOUND RECORDING CONSOLES



SUPER-FI QUALITY in an affordable package for both PA and recording: Tangent introduces the Model 1202.

Using the same basic circuitry as in Tangent's ultra-clean studio consoles, Tangent has designed the Model 1202 as a live-performance board that can also be used for recording.

Because the inputs can accept line level signals, the Model 1202 can be used to mix down eight-channel recordings!

In live use, the low distortion and low noise of the Model 1202 projects your performance to the audience transparently. The only coloration added to the sound is what *you* add.

In contrast to Tangent's mono PA boards, several features have been added to enable the Model 1202 to function as a recording console.

Pan, Three-Band EQ, and Pre/Post capabilities have been added on each input channel. Five-Band EQ, Reverb EQ, Headphone Volume, Source Select, and a headphone jack have been added to the output section.

For the performing band demanding superior quality for their PA and recording sound: Tangent's Model 1202!

inputs

LO-IMPEDANCE BALANCED and **HI-IMPEDANCE UNBALANCED** microphone inputs or **LINE** level signals may be connected to each input channel. Both **Hi-Z** and **LO-Z** mikes may be used simultaneously into all twelve channels (up to 24 mikes!).

BASS, MID and **TREBLE** controls on each input channel gives you flexibility to shape the basic sound of the signal. The controls have a center detent so you can feel when the EQ is out of the circuit.

EFFECTS Send controls allow the musician to derive an independent twelve-by-one mix to be sent to a flanger, tape-echo unit, or other effects device.

REVERB Send controls on each channel give another twelve-by-one mix that is sent to the Model 1202's own internal reverb unit.

MONITOR Send controls on each channel provide a *third* twelve-by-one mix for truly professional control. This independent Monitor function acts as a mixer-within-a-mixer.

The Monitor allows musicians to hear what *they* need to hear to stay in-time and on-key. . . . regardless of the Main mix heard by the audience.

PRE/POST capability is present on all the Effects, Reverb, and Monitor sends. By moving the control counterclockwise, the signal is Pre; turning the control clockwise sends the signal Post.

GAIN control is provided on each input to assure the lowest possible noise and distortion by varying the actual gain of the microphone pre-amps.

PEAK LED overload indicators are placed above each input channel and used in conjunction with the Gain control.

outputs

LED METERING, the quickest responding and most accurate system available, is used on the Left Main, Right Main, and Monitor outputs.

REVERB RETURN, EFFECTS RETURN, and AUXILIARY controls are included on each Main channel.

FIVE-BAND EQ is provided on the Monitor section to eliminate feedback.

HEADPHONE VOLUME is included on the output section, as well as a **SOURCE SELECT**.

REVERB EQ, Bass and Treble shelving type, is also provided to shape the returning, reverberated signal.

BALANCED OUTPUTS with cannon-type connectors are provided on the Mains and the Monitor sections. Phone jack terminals give a parallel, unbalanced signal on each.

BUSS ACCESS jacks for the Mains, Effects, Reverb, and Monitor busses are provided on the back panel.

An **EXPANDER** connection with access to all busses and the power supply is also included.

SYSTEM COMPLETION in a sound reinforcement application using the Model 1202 would include a pair of Model BP-6030s, Tangent's bi-amplified, powered speaker columns. In a recording situation, the Model 1202 works well for both recording and mix-down with eight-channel, four-channel, and two-channel recorders.

Optimal PA Control plus recording capability: Tangent's Model 1202.

specifications

Frequency response	15Hz - 40KHz ± 1db @4dbm output
Total Harmonic Distortion	less than .075% 50dbv gain, 4dbv output (5K output load)
Signal-to-Noise Ratio	74db, -50dbm input
Equivalent Input Noise	better than -125dbv, 20-20KHz, 150 ohm
Maximum Gain	
Balanced lo-z mic	82db
Hi-z	64db
Buss-in	20db
Gain Control Range	30db
Peak Indicator Threshold	+10db
Input Channel Equalization	
Treble	±15db @ 10KHz shelving
Midrange	±10db @ 1KHz peak/dip
Bass	±15db @ 100Hz shelving
Crosstalk	60db @ 1KHz
Output Channel Levels	
Main	+18dbv into 5Kohms +12dbm into 600 ohms, balanced
Monitor	+18dbv into 5K ohms +12 dbm into 600 ohms, balanced
Effects Send	+18dbv into 5k ohms +12dbm into 600 ohms, unbalanced
Reverb Send	Same as above
Five Band Equalizer	60Hz, 250Hz, 1KHz, 3KHz, 10KHz all ±15db
Meter Calibration	0db indicated corresponds to +4dbm (600 ohm balanced) or +4dbv (5K ohm unbalanced)
Weight	34 pounds
Dimensions	27" x 21½" x 6"
Finish	Black panel, white and red lettering, solid walnut end panels, and black vinyl padded armrest

model 1202

model 802

Identical specifications and features as Model 1202 but with four fewer input channels.

model bp6030

Bi-amplified, powered speaker column. State-of-the-art electronic crossover. Dual power section exactly matched to speakers.



model 103

One-in three-out accessory item. Available in blue, yellow, and tan.

tangent
musical engineering

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