

WENDT NGS X2 AUDIO MIXER

OPERATIONS DESCRIPTIONS

FRONT PANEL



1. Fader Controls – The faders are marked CHANNEL 1 and CHANNEL 2 which correspond to the mic XLR inputs also marked CHANNEL 1 and CHANNEL 2. These channel faders control the post preamp gain.
2. Phone Jack – The jack marked PHONES is HP stereo output (3.5mm).
3. VU Meters (LED) – The VU meters are LED VU displays where the 0db LED position is 0db VU and the numbers correspond to decibel units. The left display is located above channel 1 fader and the right display is located above channel 2 fader. When the limiting function is enabled, limiting occurs between 0db and +6db VU.
4. Low Cut Filters – The switches marked 140 20 100 insert a 12db per octave hi pass filter in each channel as follows: the 20 position is a flat response to 20HZ, and the 100 and 140 positions roll off at 100HZ and 140HZ.
5. Pan Switches – The switches marked L PAN R allow assignment of the individual channels to the left and right mixing busses. The center position assigns each channel to the right and left busses.
6. Reference Tone – The TONE button when pushed IN (push on/push off switch) enables a 400HZ reference tone oscillator which provides a 0db VU reference tone to the right and left line outputs. The push button OUT position disables the tone.
7. Slate Mic – The push button switch marked SLATE when pushed in, enables the slate function to be outputted to the left and right line outputs.
8. Power Monitor – The LED marked PWR MON slowly cycles on and off under normal power voltage conditions and turns to a continuous ON when external power or battery voltages are dangerously low. Typically when the LED changes to a continuous ON condition, the time remaining for battery use is ½ to 1 hour.
9. Battery Test – The push button switch marked BATT TEST allows a battery voltage test which is indicated on the right LED VU display. A set of new batteries will indicate up to and including the 0db position on the display. When the batteries are dangerously low, the -9db LED will be the only LED on.
10. Power Switch – The three position POWER switch marked INT OFF EXT allows the mixer to be powered from the internal (batteries) or an external power source. The center switch position is OFF (no power source is connected).
11. Tape-Mix – This switch allows the monitor output (headphones) to receive audio from an external source (tape) or internal (mixer).

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LEFT SIDE PANEL



1. Mic Inputs, Channel 1 & 2 – The XLR mic inputs are electronically balanced where pin 1 is shielded ground, pin 2 is input high, and pin 3 is input low. Either pin 2 or 3 may be tied to ground.
2. Mic Powering – The mic powering switch labeled 48 DYN 12T allows three modes of mic powering. 48V phantom (44V-52V), 12V T power (pin 2 is positive voltage) for use with T or AB mics and the dynamic (DYN) position which is non powered for dynamic mics.
3. Preamplifier Gain – The switch labeled 10 20 0 controls the preamplifier gain where 0 is maximum gain, 10 reduces the gain by 10db, and 20 reduces the gain by 20db. The 10 and 20 positions are typically used for powered mics.
4. Phone Jack – The jack marked PHONES is HP stereo output (6.5mm, 1/4”).
5. HP Volume – The knob marked HP VOL controls the phone volume to both phone jacks.
6. VU LED – The three position switch marked VU LED controls the brightness of the VU display. HI (maximum brightness), LO (minimum brightness), and OFF (VU display off). The display remains active in the OFF position during battery test.
7. Limiter – The stereo limiting function is controlled by the switch marked LIMITER (OUT IN) where the limiting function is enabled in the IN position.
8. Battery Compartment – Six AA batteries are required for the mixer powering and must be inserted per the diagram shown on the bottom cover.

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RIGHT SIDE PANEL



1. Slate Volume – The trim pot marked SLATE VOL is a screwdriver slate mic gain control adjustment.
2. Line/Mic Outputs – The right and left line outputs provide electronically balanced line or mic levels. Each output can be switched from line level to mic level using the MIC-LINE switch. In the LINE position full drive capability is available and in the MIC position the line level is attenuated by 50db.
3. Mic Out – The 3.5mm jack marked MIC OUT provides single ended stereo outputs which are 50db below line levels.
4. External Power – The 2.1mm jack marked EXT PWR allows the unit to operate from an external power source of 9V – 18VDC. The center pin of the connector is the negative terminal.
5. Tape Rtn – The 3.5mm stereo jack input is the return audio from tape, camera, etc.

LIMITED WARRANTY

Wendt Inc. NGS products are covered by a one year warranty to be free from defects in material and workmanship. In the event your Wendt Inc. NGS product needs repair, please call us for a return authorization and then carefully pack and ship it to us prepaid. We will repair or replace at our option and return ship via carrier and method of Wendt Inc.'s choice. This warranty does not apply to defects caused by misuse, abuse or altered goods. There are no express or implied warranties which extend beyond the warranty made here.

WENDT INC.
WESTLAKE VILLAGE, CA U.S.A.