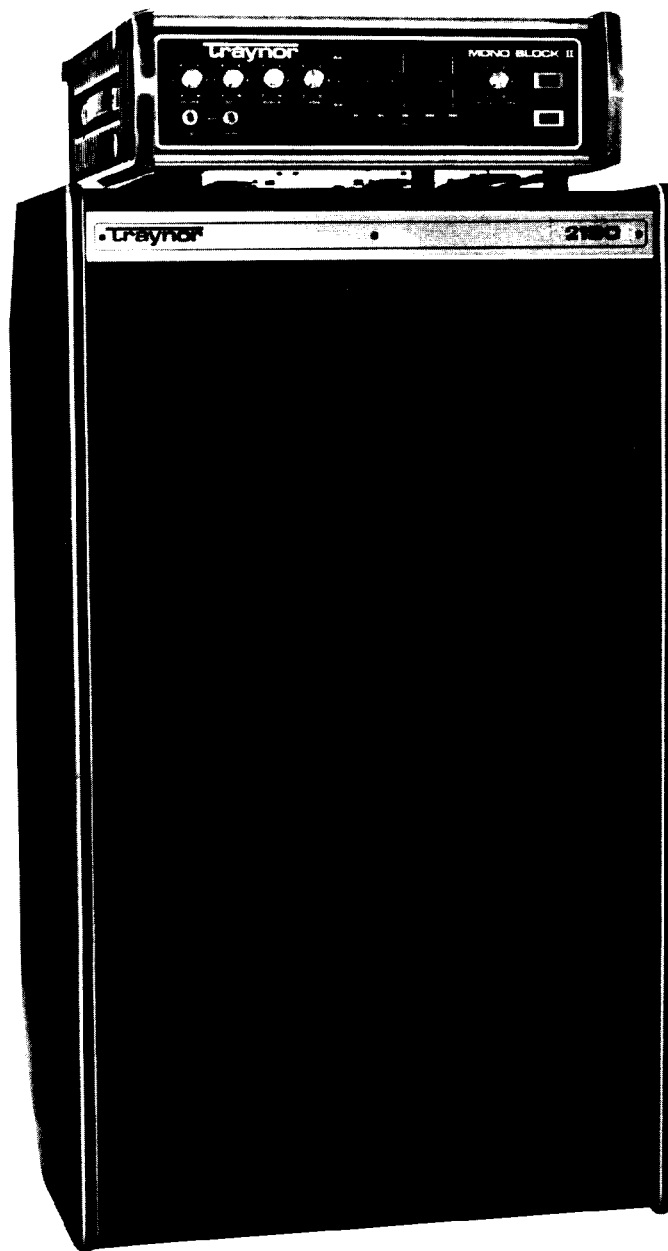


Traynor



MONO BLOCK II

YORKVILLE SOUND • TORONTO, ONTARIO • BATAVIA, NEW YORK

MONO BLOCK II

There are some very good reasons why so many top professionals have come to rely on the Mono block. For one thing, it is reliable — too seldom the case with big amps — yet it has more clean power than most of its 'biggest' rivals.

The 5-band equalizer places essential low frequency controls at even-numbered harmonic intervals for optimum 'roundness' and depth. High frequency controls regulate tonal warmth and note-definition.

Bass, Middle and Treble provide basic tone regulation which complements the equalizer while expanding the overall controlled frequency range to include those of lead guitar and all keyboard instruments.

Volume and Master Volume controls permit pre-adjusted amounts of preamp drive to be balanced against any desired amount of loudness.

Some of the Mono Block's features are less obvious than these, but equally impressive in their overall effects. All in all, they add up to one **very** exceptional amplifier.

FEATURES:

- High and normal gain instrument inputs
- Volume and master volume controls
- Bass, middle and treble tone controls
- Five-band active E.Q. with 15db. of cut & boost at 50, 100, 200, 1000 & 2500 Hz.
- Dual preamp patching jacks (preamp output & power amp input)
- Independent circuit grounding and a 3-position polarity switch with "lift" mode to minimize hum caused by ground loop.
- 3/4-inch cast aluminum end panels for efficient output heat-sinking and added structural strength.
- Output thermal breaker, self-resetting type
- A.C. circuit breaker with manual re-set.
- Reinforced top & bottom plates with louvered vents
- Shock-absorbing rubber feet

SPECIFICATIONS:

Pre-Clipping

R.M.S. Power: 250 watts into 4 ohms
325 watts into 2 ohms

Maximum

Power: 600 watts into 2 ohms
(full clipping)

Dimensions & Weight: 10 1/4" x 17 1/2" x 6"
44 lbs.

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MONO BLOCK II

WARNING - POWER VS. SPEAKERS

A twin fifteen, 400-watt, 4-ohm speaker system, the 2150 has been developed for use singly, or in pairs, with the Mono Block. However, if the owner intends to use some other speakers, we advise consulting the attached specifications under "GENERAL POWER OUTPUT RATINGS".

OPERATING INSTRUCTIONS

A GENERAL SET-UP

1. Using heavy-duty speaker cable(s), connect one or two speaker cabinet(s) to the Mono Block speaker output jacks.
2. Plug instrument lead into one of the two input jacks. (see under "B")
3. Plug the power cord into a 117 Volt, 60Hz AC power outlet.
4. Flip the power switch on.

B SETTING UP THE CONTROLS

The Mono Block II has been equipped with VOLUME and MASTER VOLUME controls thereby enabling the user to tailor the clarity of sound to meet all requirements. Therefore, we offer the following typical control set-ups as "extreme" examples (full clarity and full distortion) of these two sounds. The high gain of the tone controls makes them also capable of affecting overall clarity under certain conditions.

FOR CLEAN SOUND

1. Plug instrument into NORMAL input jack.
2. Turn the MASTER VOLUME up to "10".
3. Turn up the VOLUME control until the desired loudness is achieved.
4. Adjust the tone controls and E.Q. as desired.

FOR MAXIMUM DISTORTION AND SUSTAIN

1. Plug instrument into the HIGH input jack.
2. Turn the VOLUME control up to "10".
3. Turn up the MASTER VOLUME for desired loudness.
4. Set tone controls and E.Q. as desired.

C PREAMP OUTPUT & POWER AMP INPUT JACKS

GENERAL:

These jacks may be used to connect effects units such as phase, flange or compression. Using two shielded cables, connect the PREAMP OUTPUT to the unit's input and its output to the POWER AMP INPUT. The PREAMP OUTPUT may also be used to drive a power slave

or send instrument signal directly to a P.A. mixer's high impedance input.

The POWER AMP INPUT may be used to connect a mixer, to the Mono Block output stage so that it can be used as a slave amp. (note: this is a shorting jack between the preamp and power amplifier of the MONO BLOCK II.)

D OTHER FEATURES

A.C. CIRCUIT BREAKER:

This replaces the usual fuse to protect the circuits from line power overloads. If such an overload should occur, the circuit breaker will open automatically cutting off all power to the amplifier. The Mono Block will cease operation and the Pilot Light will go out.

To re-establish operation, simply depress the circuit breaker button on the back panel. The amplifier should come on immediately.

SPECIFICATIONS

GENERAL POWER OUTPUT RATINGS

Overall Speaker Impedance = R.M.S. Output Power of Amp ref 117V, 60Hz A.C.Line

4 ohm load	250 watts R.M.S.
2 ohm load	325 watts R.M.S.

PREAMP

Input impedance - 50K ohms

Output - 4 volts, maximum undistorted

Output impedance - 4000 ohms

E.Q. ± 15 db. at 50, 100, 200, 1000 & 2500 HZ.

Bass Middle & Treble = 20db. total gain variation across the low, mid and high frequency ranges.

POWER AMP

Input impedance - 4000 ohms

Minimum speaker load - 2 ohms

OTHER RATINGS

Circuit Breaker - 8 amps

Power Requirements - 117 v, 60 Hz A.C.

Dimensions & Weight 17 1/2" x 6" x 10 1/2" - 44 lbs.
(45 cm x 15 cm x 27 cm - 20 Kg.)

YORKVILLE SOUND LIMITED,
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MONO BLOCK II

WARNING - POWER VS. SPEAKERS

ALSO 2150

Two bass speaker systems, the YT-1500 and the YC-188 have been developed especially for use, singly, or in pairs, with the Mono Block. However, if the owner intends to use some other speakers, we STRONGLY advise consulting the attached specifications under "GENERAL POWER OUTPUT RATINGS".

Look for the rating shown as "Full Clipping" as they represent the amp's maximum, sustained output. Also, be sure you cross-reference to the impedance (ohm load) heading which matches the overall impedance of your speakers.

For guitar and keyboards use Two YCV-212's or YSC-10's.

OPERATING INSTRUCTIONS

A GENERAL SET-UP

1. Using heavy-duty speaker cable(s), connect one or two speaker cabinets to the Mono Block speaker output jacks.
2. Plug instrument lead into one of the two input jacks, because the "High" input is highly sensitive your instrument will sound louder when connected here.
3. Plug the power cord into a 115 Volt, 60Hz power outlet.
4. Flip the power switch 'on' - the pilot light should come on immediately. If the pilot light does not come on and the amplifier is not functioning, press to reset the A.C. circuit breaker on the back panel.
5. Adjust the ground switch for minimal hum and noise.

B SETTING UP THE CONTROLS

The Mono Block - B has been equipped with volume and master volume controls thereby enabling the user to 'tailor' the clarity of his sound to meet all requirements, from raunchy overdriven solos to clean rich-sounding background work. Therefore, we offer the following typical control set-ups as 'extreme' examples (full clarity and full distortion) of these two sounds. The high gain of the tone controls makes them also capable of affecting overall clarity under certain conditions.

'CLEAN' SET - UP

1. Plug instrument onto lower input jack.
2. Turn all tone controls up to '5' and set E.Q. faders at centre.
3. Turn 'Output' volume up to '10'.
4. Turn up the volume control until the desired loudness is achieved.
5. Adjust the tone controls and E.Q. further as desired.

'OVERDRIVEN' SET - UP: (for Maximum distortion and sustain)

1. Plug instrument into upper input jack.
2. Set all tone and E.Q. controls for maximum boost.
3. Turn volume control up to '10'.
4. Turn up the master volume for desired loudness.

C PREAMP OUTPUT & POWER AMP INPUT JACKS

GENERAL:

These jacks may be used to connect effects units like phase, wah, echo, etc., directly to the amp in order to cut down on the noise and distortion they sometimes create when connected in the standard manner.

The preamp output may be used to drive a power slave or send instrument signal directly to a P.A. mixer.

The power amp input may be used to connect an external preamp signal - source (mixer, tape deck, etc.) to the Mono Block output stage so it can be used as a slave amp.

All impedances and voltage ratings are listed under specifications.

WARNING - when using this jack in its 'Input to Power Amp' capacity, never connect it to the power or "speaker" output of another amplifier as this can cause extensive damage to both units.

ALSO - Shielded cable should always be used to avoid noise and interference.

D OTHER FEATURES

A.C. CIRCUIT BREAKER:

This replaces the usual fuse to protect the circuits from line power overloads. If such an overload should occur, the circuit breaker will open automatically, cutting off all power to the amplifier - the Mono Block will cease operation and the 'Pilot Light' will go out.

To re-establish operation, simply depress the red 'Circuit Breaker' button - the pilot light and amplifier should come on again, immediately.

GROUND SWITCH:

The two "Ground" position on this switch govern the Mono Block polarity and are useful for decreasing hum and hiss, when the ground lug on the 'A.C. Plug' is not in effect. The "Lift" position is useful in reducing hum caused by ground loop.

ACCESSORY PLUG (SOCKET):

This is an A.C. power outlet which enables the user to plug an * additional 115V. electrical device directly into the amp.

* See specification sheets for electrical ratings re (C) and (D).

SPECIFICATIONS

GENERAL POWER OUTPUT RATINGS

<u>Overall Speaker Impedance</u>	<u>= Output Power of Amp</u>
8 ohm load (1-8 ohm cab. or 2-16 ohm cabs)	150 watts R.M.S., maximum undistorted 250 watts R.M.S., full clipping
4 ohm load (1-YT-1500 or 1-YC-188)	250 watts R.M.S., Maximum undistorted 400 watts R.M.S., full clipping
2 ohm load (2-YT-1500 or 2-YC-188)	325 watts R.M.S., maximum undistorted 550 watts R.M.S., full clipping

PREAMP

Input impedance - 50K ohms

Output - 4 volts, maximum undistorted

Output impedance - 4000 ohms

Tone Controls - E.Q. cut - boost = ± 15 db. from flat, E.Q. frequencies = 50, 100, 200, 1000 & 2500 HZ.

Bass Middle & Treble = 20db. total gain variation across the low, mid and high frequency ranges.

POWER AMP

Input impedance - 4000 ohms

Minimum speaker load - 2 ohms

OTHER RATINGS

Accessory Plug - 2 amps maximum current - draw

Circuit Breaker - 8 amps

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MONO BLOCK II

MISE EN GARDE: PUISSANCE VS. HAUT-PARLEURS

L'enceinte acoustique 2150, de 400 watts, munie de 2 haut-parleurs de 15", et le 1150, de 200 watts, munie de 1 haut-parleur de 15", ont été créées en fonction du MONO BLOCK II. Si l'utilisateur a l'intention d'utiliser un autre haut-parleur, il est recommandé de consulter les spécifications sous le titre "Mesures générales de puissance de sortie".

OPERATION

A. Installation

1. Au moyen d'un câble extra-fort, brancher l'haut-parleur à une des prises de sortie à l'arrière de l'amplificateur.
2. Brancher l'instrument à une des prises à l'avant. (voir sous section "B").
3. Brancher le fil d'alimentation électrique dans une source de 117 volt, 60 Hz CA
4. Basculer l'interrupteur d'alimentation dans la position ON.

B. Réglage des contrôles

Le MONO BLOCK II est doté d'une commande de VOLUME et d'une de MASTER VOLUME de telle façon à permettre la modification de la clarté du son dépendant des besoins. Nous vous suggérons à titre d'exemple deux réglages extrêmes (clarté maximale et distorsion maximale).

Le niveau de gain élevé des contrôles de tonalité peut aussi être un facteur dans la clarté du son, sous certaines conditions.

SON CLAIR

1. Brancher l'instrument dans la prise NORMAL.
2. Ajuster le contrôle MASTER VOLUME à 10.
3. Ajuster le contrôle VOLUME au niveau désiré.
4. Ajuster la tonalité et le correcteur graphique au goût.

DISTORSION

1. Brancher l'instrument dans la prise HIGH.
2. Ajuster le contrôle VOLUME à 10.
3. Ajuster le contrôle MASTER VOLUME au niveau désiré.
4. Ajuster la tonalité et le correcteur graphique au goût.

C. Sortie de préampli et entrée pour ampli de puissance

Ces prises peuvent être utilisées pour l'insertion de pédales à effets. Au moyen de deux câbles blindés, brancher la sortie PREAMP OUTPUT à l'entrée de l'unité d'effet et la prise POWER AMP INPUT à la sortie de l'effet. La prise PREAMP OUTPUT peut en outre servir à alimenter un amplificateur de puissance complémentaire ou à alimenter une console de mixage.

La prise POWER AMP INPUT peut servir à brancher un mixeur à l'amplificateur de puissance du MONO BLOCK II, en faisant ainsi une unité de renforcement. (Notez que cette prise est de type coupe-circuit et interrompt le signal provenant du préampli du MONO BLOCK II lorsqu'une fiche est insérée.)

D. Autres traits saillants

Disjoncteur CA

Ceci sert à protéger l'ampli dans le cas de suralimentation électrique. Serait une suralimentation à se produire, le disjoncteur s'ouvrira automatiquement, coupant ainsi tout courant à l'amplificateur. Le MONO BLOCK II cessera de fonctionner et la lampe témoin s'éteindra.

Pour rétablir l'opération, simplement pousser le bouton du disjoncteur, situé à l'arrière de l'amplificateur. Il devrait résumer son fonctionnement immédiatement.

SPECIFICATIONS TECHNIQUES

MESURES GENERALES DE PUISSANCE DE SORTIE

Impédance d'haut-parleur totale = Puissance de sortie RMS (ref. 117 V, 60 Hz)

sur 4 ohms	250 watts RMS
sur 2 ohms	325 watts RMS

Préamplificateur

Impédance à l'entrée - 50 K ohms

Sortie - 4 volts, maximum sans distorsion.

Impédance à la sortie - 4000 ohms

Correcteur graphique ± 15 dB à 50, 100, 200, 1000 et 2500 cycles.

Basses, moyennes et hautes - 20 dB de variation de gain total sur l'étendue de cette gamme.

Amplificateur de puissance

Impédance à l'entrée - 4000 ohms.

Charge d'haut-parleur minime - 2 ohms.

Mesures diverses

Disjoncteur - 8 ampères.

Alimentation requise - 117 v. 60 Hz CA

Dimensions et poids - 17 1/2" x 6" x 10 1/2" - 44 lbs.
44 cm x 15 cm x 27 cm - 20 kg.

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