General Instructions (after connecting speakers . . .)

1. Plug the power cord into a grounded, 110 volt, 60 Hz. power outlet.
   (220 volts, 50 Hz. in U.K. and European models)

2. Set the front switch to STANDBY, and the power switch to "ON". If the amp
   does not come on, check the power connection and, if necessary, press the
   circuit breaker. (In 220 volt amps replace fuse with similar type only)

3. Leave front switch on "STANDBY" for about a minute to allow the tubes to
   warm up.

4. When ready to play, plug in instrument and switch to "RUN".

   It is advisable to put your amplifier on STANDBY between sets and when
   plugging-in instrument leads.

5. Set the "Ground" switch for minimal noise. The "Lift" setting may be uti-
   lized to reduce hum caused by ground-loop.

EXPLANATION OF CONTROLS: Front Panel

Note: Items 1 to 4 apply to both channels. Reverb, Tremolo and
       Master Volume are available on Channel 2 only.

1. INPUTS: "High" inputs have added sensitivity for lead overdrive.
           "Normal" inputs may be preferred for rhythm.

2. TREBLE BOOST: Enhances the highs when in the upper position and with the
                   Volume set at less than 10.

3. VOLUME: Varies preamp gain from zero to maximum.

4. TREBLE MIDDLE, BASS: Provide wide-range tonal variations.

5. REVERB: Controls amount of reverberation from zero to maximum—

6. TREMOLO: Speed & intensity - varies the rate and depth of the tremolo
           effect. The tremolo is off with the intensity control at zero.

7. MASTER VOLUME: Controls the preamp output level of channel two (only) and
                   may be used to regulate loudness in accordance with room-size and bands
                   volume.

BACK PANEL

1. "Accessory Plug": An A.C. socket for supplying current to any additional
                      electrical device drawing no more than 200 watts.

2. "Circuit Breaker": Replace the usual fuse to protect circuits from A.C.
                      overloads. Should such an overload cause the "breaker" to open, the amp will
                      shut off completely. Simply press the red "Re-Set" button to re-establish
                      operation.

2a. Fuse (in 220 volt models): Should always be replaced with similar type.

3. Reverb and Tremolo Footswitch Jacks: Connect shielded footswitches for remote
         on/off control of these effects, pre-set with the front panel controls.

continued ......
4. **"A.C. On-Off" Switch:** Governs main power supply.

5. **"Speaker" Jacks:** For connecting one or two of the following suggested speaker cabinets:
   - **YF-12:** 4 x 12" speakers - 200 watts, 4 ohms overall
   - **Y-212:** 2 x 12", speakers - 150 watts, 4 ohms overall
   - **YCV-212:** 2 x 12" Vega Speakers - 200 watts, 8 ohms overall

6. **3 - Position Ground Switch:** Top two "Ground" setting for standard polarity reversal when the amp is connected to an ungrounded outlet. "Lift" setting floats the independent circuit ground from the chassis to reduce ground loop hum (a condition which occurs when an amp is connected to one or more A.C. powered devices which are not grounded the same way).

**GENERAL SPECIFICATIONS**

R.M.S. Output: 80 watts *pre-clipping, 150 watts *full clipping.
Output Impedance: 4 ohms (12 ohms minimum load limit).
Speakers: 2 x 12" - 8 ohms, 75 watts each - 4 ohms, 150 watts total
Dimensions & Weight: 28" x 23" x 11" - 75 lbs.

(Harmonic distortion is typically below 5% at the *pre-clipping output level.
Speakers should have total power-handling at least equal to the amps *full-clipping power).

**GENERAL**

* Leave at least a 1-foot air space behind the amp for adequate ventilation when in use.
* Check the power tubes at least every 6 months and replace when weak.
* For warranty service, contact your authorized Traynor dealer.
* For special information, write to:

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