

International Amplifier Line User Manual

Common Features:

- Single channel all tube design
- Preamp dc heaters for low noise
- Straight signal path with simple tone stack
- Boutique capacitors and custom wound transformers
- Aluminum chassis
- Black Comet Vinyl with classic salt & pepper grill
- Low weight small size ultra portable
- Available as Head or 1x12" open back combo
- 1x10" open back combo available for low power versions only!

Design Notes:

These amps have a simple straight forward signal path with minimum tone stack attenuation. Types, brands and values of coupling and tone capacitors have been carefully selected; these have tremendous differences in tone and feel, often boils down to ones individual taste.

If you feel you need some adjustments give us a call and we will see what we can do.

Due to the small size we chose to use a solid state rectifier and get the natural sag feel through additional circuitry in the power supply.

Most of the output transformers are wound with a single 8 ohm tap for best direct coupling the audio to the speaker. Exceptions are the higher gain models Panama and Brixton.

Tubes have been selected for best overall sound and reliability. In these simple circuits type and brand of tubes can make a big difference in sound. Don't be shy to experiment with tubes, get your old stock RCA's, Mullard's, GE's etc.....out of the closet and find your individual favorite. Power amp tubes should be matched and the bias needs to be set correctly. Preamp tubes can be exchanged without any adjusting as long as the pin layout is compatible with the 12AX7 type.

Tip: For cleaner tones try a 12AY7 on V1 and/or a 12AT7 on V2

Same applies to speakers, we selected what we think is the best overall speaker within the output power range of each amp.

For your safety:

Make sure you turn your amp off when you switch tubes and be careful the tubes are very hot!! Do not touch tube sockets with fingers! Even after turning your amp off and unplugging it from the power outlet there could be enough voltage stored in the capacitors to give you a lethal electrical shock!

The Barcelona has capacitors mounted inside on the back chassis cover. The cover should be taken off only by an experienced Technician, on any amp!!



New Yorker

- 12 watt 6V6 Class A cathode biased power amp
- JJ ECC83s single triode 1st gain stage
- JJ ECC83s 2nd gain stage and cathodyne style phase inverter
- Volume, Tone and 4 position Schizo tone stack gain control
- 3 position standby switch with high and low power mode (mk2 only, released Nov. 2011)
- Single 8 ohm speaker out
- 1x10 combo Celestion G10 or Custom Eminence 8 ohm
- 1x12 combo Celestion G12H 8 ohm

The New Yorker is filtered for a loose feel, more in the flavor of the small tweed amps from the 50's. The combos are made out of solid pine with a Baltic birch floating speaker baffle.

Schizo Control

The Schizo control sets the overall gain and tone structure. The first position simulates the tone of the 60's blackface amps while the next 2 positions are variations on 50's tweed tones with the 4th position being the traditional tweed. The terms blackface and tweed are used here to give you an idea of the overall sound and feel rather than claiming to be exact copies.

Pos. 1: black face attenuation, scooped mids, most clean headroom, this is unique as you won't find that on any other tweed inspired amplifiers

Pos. 2: tweed with a flatter tone for a very brown Bakersfield Twang

Pos. 3: tweed with slight tamed gain on highs and bass, more definition for humbucker guitars

Pos. 4: fat thick traditional tweed tone

Tone Control

The Tone control works over the entire frequency spectrum; it does not add particular just highs or bass. It also affects the gain; turned up will be a more aggressive tone. It is really usable throughout the entire range.

Volume Control

The Volume control sets the loudness. In schizo pos 1 single coils stay clean up to 1 o'clock and above, pos. 2-4 stay fairly clean through the first half, humbuckers drive early, set a modest decant drive and try to use your guitars volume to clean up.

The cool thing about these types of amps is that they are much more touch dynamic on the gain than the volume. You can control the gain with your right hands pick attack while the volume is not so much affected, in other words it cleans up nicely with a soft touch on your strings while the volume remains close to the max. So common use is often to set these amps fairly dirty and work the guitar.

DIMENSIONS and WEIGHTS: Are subject to change anytime, Please measure **your** amp carefully if a Custom Case is being made. **Add ¾ inch for each, handle and rubber feet.**

Head:	7.50"	H	18.37"	W	7"	D	14 pounds
1x10 Combo:	14.37"	H	18.75"	W	9.50"	D	26 pounds
1x12 Combo:	16.25"	H	20.75"	W	9.50"	D	33 pounds

Troubleshooting

Make sure you read and understand the safety instructions!! Repairs should be done only by knowledgeable Technicians!! Always make sure your Cables, Guitars, Effects and Extension Cabinets are working and hooked up correctly. If you think something is wrong with your Amp, play straight into the Amp with nothing else hooked up other than a Guitar. That way you make sure it is the Amp. If you own a combo unplug the internal speaker and hook up an external speaker cabinet to make sure it's only the amp which is faulty. For noise check the appropriate preamp tubes (refer to f). Tubes are delicate and have a limited live span depending on operating time, temperature and mechanical influences. 99% of all sound and noise problems come from preamp tube failure. We let our amps run for at least two days before we ship them to make sure that the tubes work properly but since they have glass housing and delicate little plates inside them it happened that they got damaged during shipping. Please don't feel discouraged. We don't manufacture tubes and can only retest them to make sure they're okay.

Fuses

To check the fuses, use an Ohmmeter to make sure they're blown because sometimes you can't see if they're blown. Only 3GA types are used.

The Main fuse for the New Yorker should be 1A slow blow.

The HT fuse should be 500mA slow blow.

The HT fuse blows usually if your power tubes are bad to protect the power amp circuit from getting damaged. If the Main fuse blows it could be just a voltage peak from your power outlet. Put a new one in and see what happens. If it blows again give us a call.

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