



SUPERDRAGON

BIG, BOLD AND SPECIAL

Thank you for acquiring a limited edition SUPER DRAGON amplifier.

The **Sundragon** team spent years working to recreate Jimmy's original modified Super Bass. We designed and tested numerous transformers, and scoured the world for enough NOS parts and tubes to build 50 of these limited edition amps. NOS parts and tubes include Iskra and Allen Bradley resistors, Phillips Mustard caps, GE 6550 power tubes, as well as Mullard and RCA preamp tubes. Care was taken to meticulously recreate the sound and feel, with numerous trips from the U.S. to the U.K. so Jimmy could compare the prototype to his original "Number 1" amp. As with all Sundragon products, the cosmetics were updated to add our own personal touch.

For speakers, we needed to come as close as possible to the sound of Jimmy's original Celestion G12H30s with Pulsonic 55Hz cones. We broke in and listened to numerous speakers from various companies. Jimmy used a number of his original guitars during his evaluation and played various songs, riffs and techniques to see if the amp and speakers duplicated the sounds he created for Led Zeppelin.

The result, **MAGIC!**

We believe you will agree.

WELCOME TO THE SUNDRAGON FAMILY!

A NOTE FROM JIMMY PAGE

The SUPER DRAGON is a faithful recreation of my "Number 1" amp. After recording the first Led Zeppelin record and creating sounds that define rock guitar I needed an amp capable of reproducing this broad palette of sounds including the light and the shade in the studio and a live setting. Not only was the volume and tone important but it needed to have enough power to hear the subtlety of various aspects of my guitar playing. I experimented with different amps until hearing about a fellow in the states named Tony Frank who was modifying Marshall amps. I sent Frank my favorite Marshall, a 1968 Super Bass and the result was exactly what I was looking for. Frank's modification enhanced the amp's power and expanded the dynamic range. This amp became the main amp for live shows as well as the principal amp I would rely on in the studio for all Led Zeppelin records from Zeppelin II onwards". - *Jimmy Page* -

USER MANUAL

AMPLIFIER OPERATION

The SUPER DRAGON is a straightforward amplifier. We recommend that you read this manual in its entirety before you plug it in so that you become familiar with its features and operate the amp in a safe manner.

SUPER DRAGON has two channels. Each channel has two inputs and a dedicated Volume control. The tone network includes Treble, Mid, Bass and Presence controls which work on both channels. The two channels are voiced differently. Channel 1 is brighter and Channel 2 is darker. Those familiar with Super Lead and Super Bass amps will know that Super Lead amps typically work in the same fashion where one channel is brighter than the other. With Super Bass amps, there is a similar difference, where Channel 1 is brighter, but the difference between the channels is much smaller. With the modifications done to Jimmy's amp, the SUPER DRAGON is somewhere in between the Lead and Bass versions but with its own unique voicing and character.

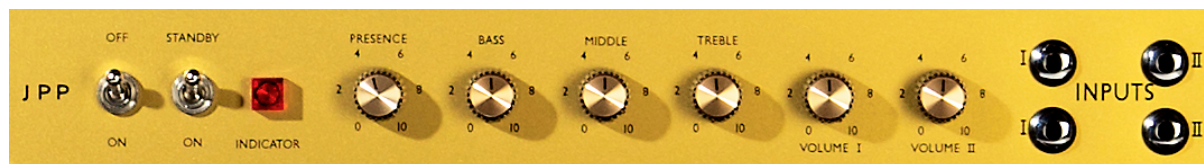
While Channel 1 is brighter, it still retains a lot of bottom so there is no need to jump the channels as many do with Super Lead amps (but you can if you want to!).

Using Channel 1 with the Volume at about "8" and the tone controls set to your liking, the amp can go from beautiful, rich clean sounds, to searing and cutting with a bit of overdrive by using the Volume control on your guitar. For clean sounds, lower the Volume control on the guitar and for a bit of amp overdrive increase the Volume control on the guitar. For more overdrive, crank the amp all the way. Because of its unique circuit, the amp will become brighter as you lower the Volume control and "fatter" as you turn it up. Be aware that

because of the amp's unique mods that increase dynamic range, the SUPER DRAGON is clear, punchy and has an immediate response to your playing.

NOTE: If you plan on using the amp all the way up for extended periods of time for a substantially overdriven sound, we recommend you use an attenuator to lower the power to the speaker cabinet. Or use a second speaker cabinet.

FRONT PANEL



CHANNEL 1: Two inputs, Volume control. Top input has higher gain.

Channel 1 is brighter than Channel 2

CHANNEL 2: Channel 2 also has two inputs and a Volume control.

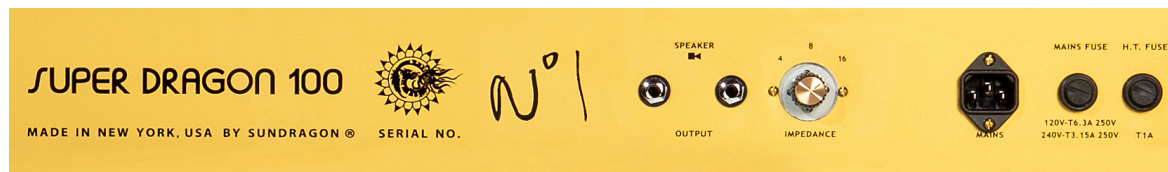
Channel 2 is darker than Channel 1

tone controls: Treble, Mid, Bass and Presence. They all affect both channels. (NOTE: It is normal to hear crackling when moving the Presence control)

ON/OFF AND STANDBY SWITCHES: When switching the amp On, with the Standby switch in the up (OFF) position, switch the On/Off switch to the Down (ON) position. Let the amp warm up for 60 seconds then switch the Standby to the Down (ON) position. You are now ready to play!

NOTE: Never use the amp without a speaker or other suitable load plugged into one or both of the speaker jacks! Doing so can damage the amplifier and will void the warranty.

BACK PANEL



FUSES

There are two fuses, one for the Mains (the voltage coming out of the wall AC socket) and the other for the internal high voltage (also known as B+, HT or High Tension). The Mains fuse is 6.3A slo blo (T6.3A) in countries that have 100 or 120 voltage AC, or 3.15A (TA) in countries that have 220-240VAC coming out of the wall. The HT fuse is 1A slo blo (TA) in all cases.

NOTE: A fuse usually blows when there is something wrong. If you replace a fuse and it blows again, bring the amp to a qualified amp technician. Always use a fuse of the correct value and do not do anything that will bypass the fuse or you may cause damage to the amplifier.

AC JACK

Use a standard IEC cable to plug your amp into the wall voltage. We recommend 16GA or larger.

SPEAKER JACKS AND IMPEDANCE SWITCH

Plug your speaker cabinet or cabinets into these jacks. Set the impedance switch to the correct impedance to match the load of your speakers.

16 ohms: one 16 ohm cabinet

8 ohms: two 16 ohm cabinets or one 8 ohm cabinet

4 ohms: two 8 ohm cabinets or one 4 ohm cabinet

SPECIFICATIONS

SUPERDRAGON 100 HEAD

Tubes:

Preamp: Two NOS Mullard 12AX7 (ECC83)

Phase Inverter: NOS RCA 12AU7 (ECC82)

Power amp: Four NOS GE 6550 (might be differently branded but GE manufactured)

Dimensions:

29" (W) x 11" (H with feet) x 9" (D)

Weight:

46 lbs.

Power:

100 watts clean, 150 watts full bore

SUPERDRAGON CABINET

Speakers:

Four Custom 12" speakers made by Amperian to Sundragon specifications

Dimensions:

29.5" (W) x 29.5" (H with feet) x 11" (D)

Weight:

80 lbs.

Power handling:

120 watts (or so....)

WARRANTY

Your limited edition SUPER DRAGON amp includes a three year limited warranty to the original purchaser. Please check the website for more complete warranty details. [www.sundragonamps.com]

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