

Park 45/100 manual

Welcome to Park Amplification and thank you for becoming part of the Park family. Park Amplification makes some of the finest vintage-style, British-design tube guitar amplifiers. The Limited Edition (only 10 have been made) Park 45/100 is an exacting replica of the first 100 watt amp made by Park in 1966.

Original production of the Park 45/100 in 1966 was very limited and therefore very rare and hard to come by. The new Park 45/100 is true to the original. Rare parts were sourced to make sure that the amp sounds, feels and looks like the vintage originals. This limited edition version features hard to find parts such as new old stock (NOS) Piher and Allen Bradley resistors, NOS Lemco and “mustard” capacitors, brown Paxolin circuit boards with split turrets and Merrin clone transformers. All this was done in order to recreate the tone and feel that made all Park amps some of the most collectible and coveted by tone aficionados and collectors alike. The construction and cosmetics are the same as the original including aluminum chassis, laced wiring, offset Park block logo and “banana” knobs.

Park amps are built one at a time in New York by skilled amp builders to the absolute highest quality standards. Each amplifier is thoroughly burned-in and tested for function and tone before leaving the workshop.

Front Panel

There are two channels which are voiced differently. The channel on the right is warmer and has less treble. The one on the left is brighter and more aggressive. There are two inputs per channel. The top jack input is the one that is usually plugged into and has more gain than the lower input. There is one Volume control for each channel. The other controls all adjust tone and are Treble, Mid, Bass, and Brightness (Presence). Other things on the front panel include the On/Off switch, Standby switch and HT fuse (0.5 Amp, slo blo).

There are a number of useful ways to plug into a “four-hole” amp.

- 1) Plug into either top jack and use its associated Volume control. Adjust the tone controls to taste.
- 2) Plug into the top input of the left (bright) channel and plug a short jumper cable from the lower input of the left channel into the top input of the right channel. You are now plugged into both channels and can blend them for more tonal possibilities. This setup is commonly used on the more aggressive 1970s amps where the left input has very little bass (until you crank it all the way up) and the right Volume control is used to fatten the sound. The left channel on this amp is full sounding with plenty of bass so this is not necessary; but you can if you like!
- 3) Plug into the top input of the right channel, turn it up to the desired level (louder is usually better!) and then turn up the Volume control of the left channel to add some highs (chirp) and upper mids. The setting of the left Volume control will vary depending on the speakers, room conditions and anything else that can affect tone. This is a favorite arrangement for the early

two-channel, four-hole amps which used a shared cathode on the first 12AX7. It is rumored that some famous guitarists used this setup to achieve their sound in the mid to late 1960s.

This is a simple, plug-and-play amp. Plug in, set your controls and play some music!

There may be an optional Master Volume on the back panel. For clean sounds set the Master fully clockwise and the Volume on the front panel relatively low. For bluesy crunch sounds set the Master Volume lower, maybe half way to start and raise the front panel Volume control to about half way. For full overdrive set the front panel volume control all the way clockwise and the Master Volume to the level you want to hear the amp. At fully overdriven settings I recommend setting the controls as follows to start:

Volume	10
Treble	8
Mid	10
Bass	4
Brightness	5
Optional MV	3

Of course, the guitar and speakers you use will have a big effect on the sound so change the controls to your preferred settings.

Back Panel

IEC AC Mains connector with Mains fuse (4A slo blo)

Impedance selector 16 ohms, 8 ohms and 100V. 100 volts is an old multi speaker setting. Please do not use this when plugged into guitar speaker cabinets. We have included it for historical and tonal accuracy.

Speaker jacks: Set the impedance to the same impedance rating of your speaker cabinet.

If requested at the time of manufacture, the amp may have a Master Volume on the back panel.

Specifications

Power: 70 watts clean, 120 watts when pushed

Tubes: four KT66s, three 12AX7s

Front panel: Volume (ch1), Volume (ch2), Treble, Mid, Bass, Brightness, On/Off, Standby, HT Fuse

Back panel: IEC mains (AC) socket with fuse, Impedance selector (16, 8, 100V), two speaker outputs, optional Master Volume

Dimensions: (H) 10.75" plus 0.5" for feet, (W) 29", (D) 10.75"

Weight: 45 lbs

Service: This amp is equipped with two fuses. One is on the front panel labeled "2 Amps". This is a historically correct designation since the original amps were made for the UK market and this was the Mains fuse. In the P45/100 it is the HT fuse. Please use a 0.5A slo blo fuse. The Mains fuse is in the AC connector. To take it out, remove the AC cable and insert a small flat screwdriver in the slot which is above the Fuse holder and push the holder out. If your amp is blowing fuses, something is wrong with the amp wrong and it is highly recommended that you bring the amp to a qualified technician who is familiar with tubes and guitar amps.

Tubes have a life span and can wear out over time. Power tubes (in this case KT66s) typically will wear out faster than preamp tubes (12AX7). If the power tubes are worn out, the amp will sound lifeless and may lack power. Replacing tubes may seem easy but it is highly recommended that the amp be biased by a qualified technician.

Park Amplification

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NON TRANSFERABLE 2-YEAR LIMITED WARRANTY

Britampco Ltd. warrants that the Park Custom Shop product you have purchased shall be free of any defects in parts and workmanship if used under normal operating conditions for a period of two (2) years from the date of purchase, except that pedals, footswitches and speakers are warranted for a period of one (1) year from date of purchase and light bulbs, vacuum tubes, cables and all other included accessory products are warranted for a period of ninety (90) days from date of purchase. This warranty shall run to the original purchaser when purchased from an Authorized Park Dealer or direct from Britampco LTD. IMPORTANT: PLEASE RETAIN YOUR SALES RECEIPT, AS IT IS YOUR PROOF OF PURCHASE COVERING YOUR LIMITED WARRANTY. THIS LIMITED WARRANTY IS VOID WITHOUT SUCH ENDORSED SALES RECEIPT.

Defective products that qualify for coverage under this warranty will be repaired without charge. If repair is not possible the product will be replaced at Britampco Ltd's discretion. To receive warranty service, email us at sales@parkamplifiers.co.uk for instructions which may include either returning the amplifier back to Britampco Ltd or sending the complete product to an Authorized Electronics Service Center, with proof of purchase, during the applicable warranty period. The Authorized Dealer from whom you purchased your product may also be authorized for warranty service. TRANSPORTATION COSTS ARE NOT INCLUDED IN THIS LIMITED WARRANTY.

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