

PARK

H A N D W I R E D

 PARK P18 HEAD



 PARK P18 COMBO

IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions carefully before switching your amplifier on.

Please ensure that the voltage selector/indicator and fuses match the supply voltage of the country in which the amplifier is being used.

Do not switch the amplifier on without the loudspeaker connected. It is important that the amplifier and speaker are matched at the correct impedance. Failure to do so can result in damage to the amplifier and speaker.

Never attempt to bypass fuses or fit fuses of incorrect value.

Never attempt to use an amplifier in wet or damp conditions.

Protect the power cord from being walked on or pinched. Do not modify.

All servicing should be carried out by a professionally qualified service technician.

Always ensure free movement of air around the amplifier to prevent overheating.

Do not attempt to remove the amplifier chassis; there are no user serviceable parts inside.

Always use the mains lead that is provided with your amplifier. If a replacement is needed, please contact your Park Dealer.

Be sure to always unplug the amplifier during lightning storms and when unused for prolonged periods of time.

WARNING – if used improperly or without proper safeguards this equipment can cause hearing damage or loss of hearing.

Servicing is required when the apparatus has been damaged in any way, such as when the power supply or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, or when the apparatus does not operate normally or has been dropped.



Britampco.co.uk/downloads

IMPORTANT SAFETY INSTRUCTIONS
IMPORTANTI ISTRUZIONI DI SICUREZZA
CONSIGNES DE SÉCURITÉ IMPORTANTES

Please follow all instructions and warnings!

Please keep these instructions in a safe place.

Register product online: **Britampco.co.uk**

TURNING ON YOUR AMPLIFIER

- Ensure that your amplifier is set to the correct voltage for your country.
- Ensure that the impedance of your amplifier and speaker cabinet are matched.
- Ensure that your amplifier is plugged into your speaker cabinets.
- Set both Channel Volumes to zero.
- Set both Tone controls to 12 o'clock.
- Plug your instrument into your desired channel and input.
- Turn on your amplifier.
- Set Volume to desired volume level.
- Boost or cut high frequencies using the Tone control.





The Park P18 Combo

Park P18 (Handwired Edition) - The World's Greatest EL84 Amplifier Circuit.

Based on the Marshall 18(1974 Model Series) and the WEM Dominator.

This remarkable amp/circuit started out as the original WEM Dominator, a great EL84 amplifier, that really shines with its 'throaty overdriven sound and smooth classic tremolo circuit'. (In a 'tube' amp The Tremolo effects how the tube/valve operates - the signal never passes through the tremolo circuit - providing very rich pulsating sound with unique and beautiful tones).

Marshall brought it to a new level of aggressive Rock sound with the Legendary pairing of a 12" Celestion Greenback speaker for 'more of everything Marshall'. The Marshall 18 was capable of producing the Original Vintage sound - warm but clear clean sounds - smooth but rocking overdrive but now had the grind of a much bigger amp.

Ambitiously building on a twice world famous circuit, the Park P18 Combo is up for the challenge with Mitch Colby's additional upgrades:

- 1) - The ability to switch into 'High Gain Mode' by cascading the channels.
- 2) - The ability to switch power modes while still retaining Studio quality tone (18 watts to .5 watts).

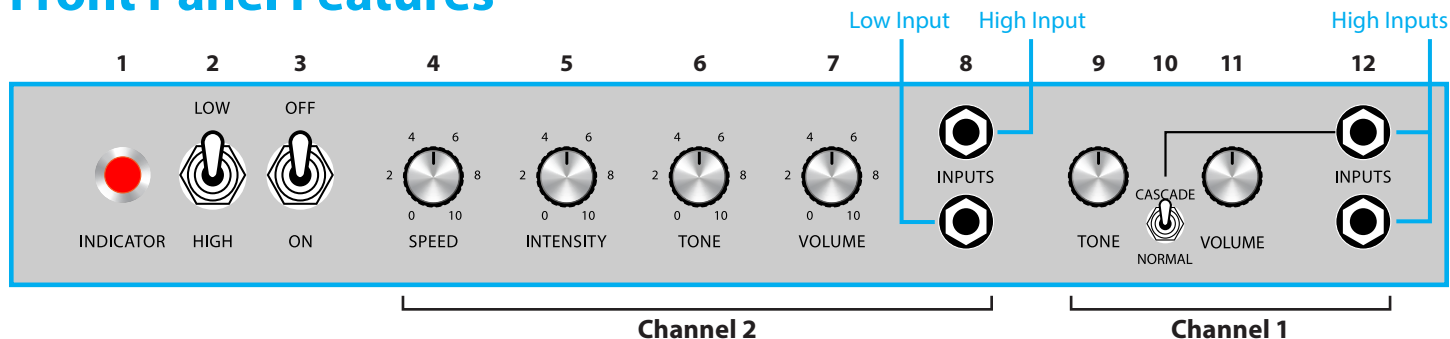
"A great little stand alone tube amp with the ability to play at extremely low volumes while retaining great tone -most low volume amps 'whimper' but not the Park 18 in 0.5 watt mode" - Mitch Colby.

- 3) -It's handwired of course, it's a Park Amplifier - using the Original spec transformers and a made in England recreation of the Original Radiospares transformer used.

One of the world's most Famous Amp circuits is alive, relevant and sounding even better than ever with it's ability to cascade and produce tonal gold at remarkably less volume.

Playing a Park handwired amplifier is to truly play the best sounding and best made English Amplifier. Our goal is to build Park amps to sound and perform just as Jim Marshall intended when they left the factory floor in Bletchley, Milton Keynes, England.

Front Panel Features



1. Indicator Lamp - This LED will light up when the power is on.

2. High/Low Switch - This switch in conjunction with the back panel NORMAL/SUPER LOW switch provides four different power settings:

POWER MODE	WATTAGE	TREMOLO
High (Full Power)	18W	YES
Low (Half Power)	7W	NO*
High (Super Low)	1W	YES
Low (Super Low)	1/2W	NO*

Standby Mode

Setting the High/Low switch to the center position places the amp in Standby mode. Placing the amp in Standby allows the valves to heat up to the optimum working temperature.

When toggling the Super Low switch at the back of the amp or switching the impedance of the amp, ensure that the High/Low Switch is set to Standby.

**Tremolo is starved in low power mode and does not operate optimally. Footswitch required for operation.*

3. Mains On/Off - Turns the amplifier on and off.

4. Speed - This control is used to set the speed of the P18's Tremolo effect.

5. Intensity - This controls the depth of the P18's tremolo effect.

6. Tone (Channel 2) - The Tone control of Channel 2 only affects the high end. As it is turned down it cuts the high frequencies.

7. Volume (Channel 2) - This controls the overall volume level of Channel 2.

8. Inputs (Channel 2) - Plug your instrument into one of the inputs with a 1/4" instrument cable. The top input is louder and brighter and the bottom input has less volume and less top end brightness.

9. Tone (Channel 1) - The Tone control of Channel 1 performs two functions at the same time. Turning it down cuts the treble frequencies. Turning it up adds treble frequencies and past 3:00 will also start to reduce low frequencies.

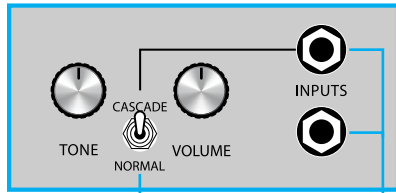
10. Cascade Switch - When active, this will cascade the output of Channel 1 into Channel 2. The volume on Channel 2 will become a master volume for both channels and the Tone control will also affect both channels.

11. Volume (Channel 1) - This controls the overall volume level of Channel 1.

12. Inputs (Channel 1) - Plug your instrument into one of the inputs with a 1/4" instrument cable. These inputs are both high inputs and are identical so they sound the same however, Ch 1's high inputs offer a different tonal option from the high input found on Ch 2.

Understanding the Two Channels

The P18 has two channels, each with two inputs. One has Volume and Tone controls, The other has Volume, Tone and Tremolo with Speed and Intensity controls.

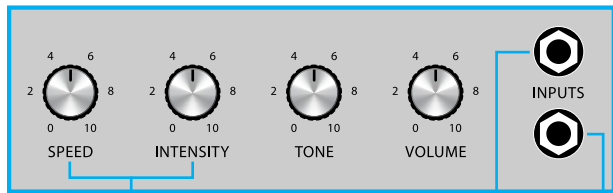


Normal/Cascade Switch

High Inputs

Channel 1: Looking at the amplifier, the channel on the right is channel 1 and it has two inputs. These are both high inputs and they are identical so they sound the same. Plug into either one and turn the Volume and Tone controls to your preferred settings. The Tone control performs two functions at the same time. Turning it down cuts the treble frequencies and turning it up adds high frequencies. Turning it up past 3:00 starts to reduce the low end in Channel 1.

This channel becomes a fire breather when the “NORMAL/CASCADE” switch is in the CASCADE position. This routes the signal of Channel 1 into the input of Channel 2 (with some additional tone and gain shaping parts to make it sound best) giving you more overall gain. When you are plugged into Channel 1 and the front panel switch is in the CASCADE position, both channels are active and therefore both Volume and Tone controls will affect the sound.



Tremolo Controls

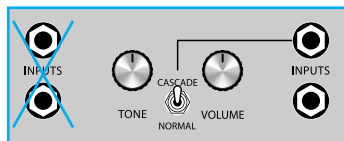
High Input

Low Input

Channel 2: Channel two also has two inputs. They are different in that the top input (high) sounds louder and brighter and the bottom input (low) which has less volume and less top end brightness. The Tone control on this channel only affects the high end. As you turn it down it cuts the high frequencies.

Note: Channel two will only operate when Cascade is off.

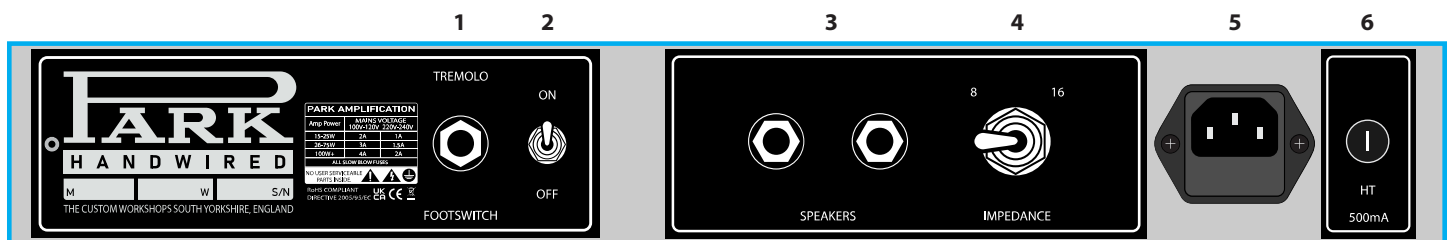
This channel features a fantastic vintage Tube Tremolo effect. The Tremolo only works with the footswitch plugged in. You can use the footswitch that came with the amp or any single footswitch with a 1/4" plug. It is a 12AX7 (ECC83) but please note that in order for the tremolo to function properly it needs to be a high gain version of the tube. If the tube has lower gain, you might notice that in certain position of the Speed and Intensity controls you will lose volume, the sound will get distorted and the tremolo may not function.



Note:

When Cascade Mode is engaged the Channel 2 inputs are bypassed therefore they will not send signal into the amplifier and will not operate.

Rear Panel Features



1. Tremolo Footswitch Input - Plug included footswitch into this jack using a 1/4" instrument cable.

2. Tremolo Toggle Switch - The switch toggles the tremolo effect on/off without the use of a footswitch.

3. Speaker Jacks - There are two parallel speaker jacks for convenience in setting up your amplifier with your speaker cabinets.

4. Impedance Switch - The impedance selector switch allows you to set the amp to 8 or 16 ohms. Set this switch correctly depending on your speaker cabinet(s) impedance. Setting this switch incorrectly can cause damage to the amp and void your warranty!

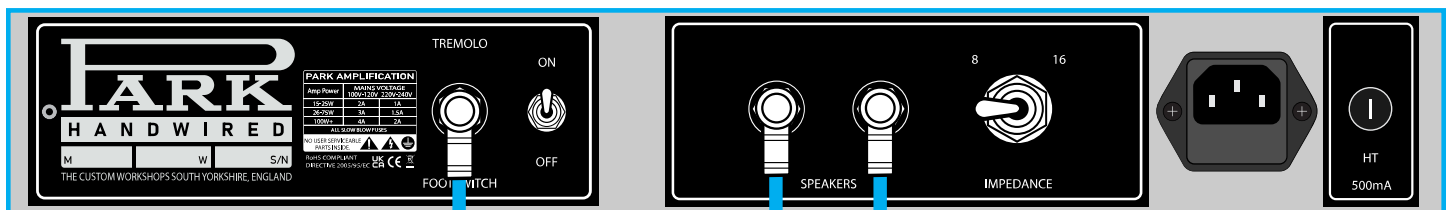
5. IEC Mains Socket - As with all equipment that uses wall voltage to operate, plug your mains lead from this IEC socket to the mains socket in order to power up the amp.

6. HT Fuse - This amplifier includes two fuses to protect the amplifier, the HT fuse (with a value of 500mA) and the Mains Fuse which can be found in the IEC Mains Socket. One or both fuses will “blow” if there is something wrong inside or outside the amplifier. If a fuse ever blows, please take the amplifier to a qualified amplifier technician for service.

AMP POWER	MAINS VOLTAGE	
	100v-120v	220v-240v
15-25W	2A	1A
26-75W	3A	1.5A
100W+	4A	2A

Output Configurations

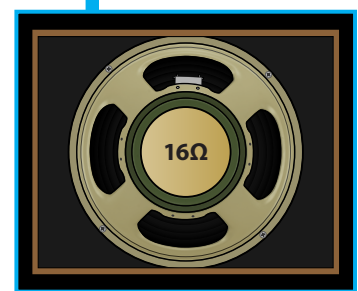
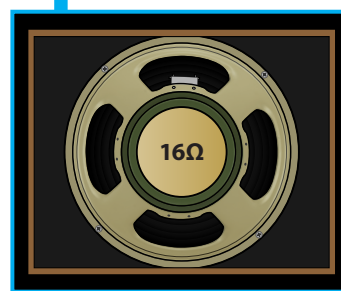
Ensure that the wattage listed on your amplifier’s serial plate does not exceed the wattage rating of your cabinet(s). When using a single cabinet, set the impedance to match the impedance of your speaker cabinet.



When utilizing two cabinets, ensure that the impedance of both cabinets are matched and that the Impedance Switch is set to the correct position. This amp features parallel speaker outputs, therefore the impedance of the amplifier should be set to 8 Ω when paired with two 16 Ω cabinets.



Park PFS-1



Two 16 Ω cabinets in parrallel with the Impedance switch set to 8 Ω

Park P18 Specifications

Power: 18 watts in High Power mode.

Tubes: 6CA4/EZ81 Rectifier, two EL84s, three 12AX7s

Back Panel: HT fuse (500mA), IEC mains (AC) socket, optional Voltage selector, Impedance selector (8, 16), two speaker outputs

Dimensions: (H) 10", (W) 24", (D) 9"

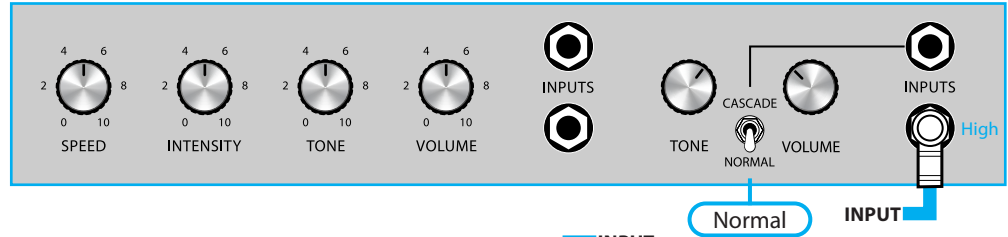
Weight: 31 lbs



Park P18 Signature Presets

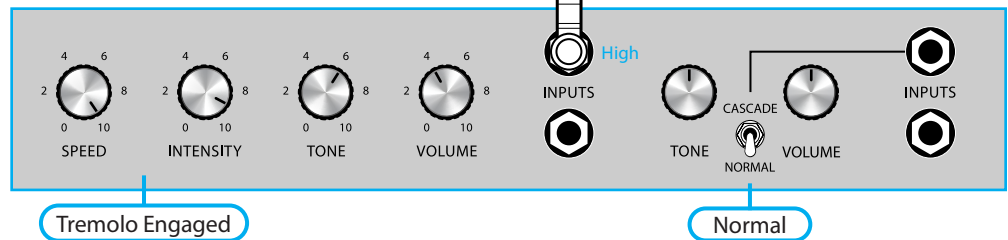
Clean Sparkle

Experience the P18's brilliant clean sound. This setting uses channel 1 in order to take advantage of it's bright high inputs.



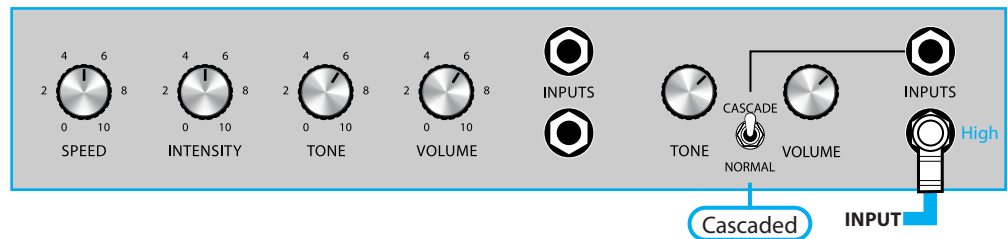
Intense Tremolo

This setting takes full advantage of the P18's tremolo effect for a fast and aggressive pulsating sound.



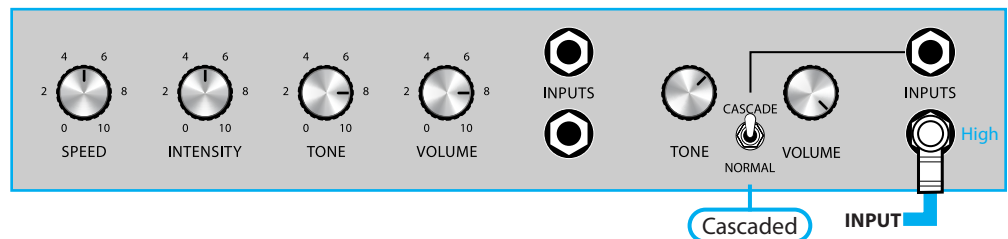
Light Overdrive

This setting is great for adding a little grit to your tone and sounds even better with your favourite drive pedal running into the amp.



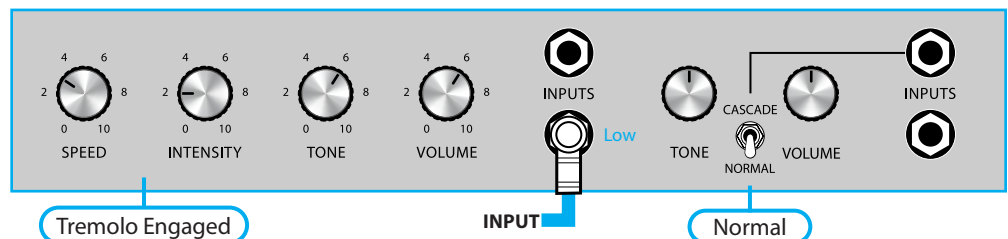
Heavy Distortion

Perfect for heavy power chords and solos. A great place to start when experimenting with the P18's cascade function.



Trippy Chords

This setting really slows down the tremolo effect creating a trippy, atmospheric sound that is perfect for psychedelic licks.



Servicing Park Amplifiers

Park amplifiers are equipped with two fuses. When used at 120 Volts, a 2 Amp fuse (slo blo) is recommended. There is also an HT fuse labeled rated at 500mA (slo blo). If your amp is blowing fuses, something may be 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 (6V6, 6L6 or EL34, etc) typically will wear out faster than preamp tubes (12AX7). If the power tubes are worn out your amp will sound lifeless and may lack power.



PARK HANDWIRED

- Tip-Top: Your hand built Park Amplifier has been thoroughly inspected and rigorously 'soak tested' prior to leaving our Workshop in Doncaster, England. Your Park product is guaranteed to perform to its desired and correct specifications.
- Park amplifiers are warranted against defects in materials and workmanship for a period of 3 years. Speakers, speaker enclosures and reverb tanks are warranted for 1 year, tubes/valves for 90 days.
- Note - it is your responsibility to use/operate the equipment safely and properly without modification and with a safe power supply - failure to do so is dangerous and will result in the voiding of your warranty. Always read, reference, and follow the 'Important Safety Instructions' before turning on or operating your amplifier.
- Note - The Limited Warranty provided is for the original purchaser and is non-transferable. It is an important responsibility of the purchaser to **register the product online at Britampco.co.uk** and to retain the sales receipt and original packaging.
- Authorization must to be obtained by Park Amplification before any service work is completed by a professionally qualified Service Technician.
- Shipping costs incurred while obtaining warranty service are the responsibility of the purchaser. The purchaser must obtain permission to ship any/all product before doing so.
- Authorised returns are subject to a restocking and shipping fee.
- Any damages incurred during shipping matters must be reported both to the shipper and Britampco immediately upon receipt of the product.



PARKAMPLIFIERS.CO.UK

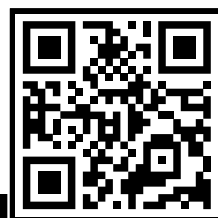
BRITAMPCO

Unit 3, Plumb Units, Sandall Stones Road
Kirk Sandall, Doncaster
DN3 1QR

SALES@PARKAMPLIFIERS.CO.UK
BRITAMPCO.CO.UK



RECYCLING INFO



REGISTER PRODUCTS