KINCROME®
PROFESSIONAL QUALITY TOOLS

POWER PAK II / PLUS II

MULTI FUNCTION JUMP STARTERS

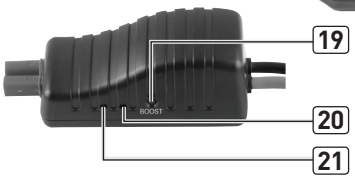
KP1405 & KP1406
ED2 (December 17)

Table of Contents

Know Your Product 2
POWER PAK II Safety Instructions 3-4
POWER PAK II Care & Charging 5-6
POWER PAK II Operation 6-9
F.A.Q & Trouble Shooting 10-11
Warranty 11

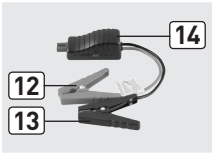
Know Your Product

1. ON / OFF / TEST Button
2. Battery Charge LED Indicators
3. 12V DC 10A Output Port
4. 19V DC 3.5A Output Port
5. LED Torch / Emergency Light
6. 15V DC 1A Input Charging Port
7. USB 5V DC 2A Output Port
8. USB 5V DC 1A Output Port
9. Jump Start Cable Port
10. 240V AC Charger
11. 12V DC Car Charger
12. Positive Battery Clamp **RED**
13. Negative Battery Clamp **BLACK**
14. INTELLI-CHECK Jumper Cable
15. Laptop Charger Adaptors
16. Multi Purpose Accessory Cable
17. Electronic Device Charging Cable
18. 12V DC Female Adaptor
19. BOOST Button
20. Correct Polarity LED
21. Reverse Polarity LED



INTELLI-CHECK Jumper Cable

- Reverse Polarity Check
- Anti-recharge Protection
- Short Circuit Protection
- Over Discharge Protection
- Surge Protection



Specifications	KP1405 - POWER PAK II	KP1406 - POWER PAK PLUS II
Size :	176 x 93 x 38mm	227 x 93 x 38mm
Weight :	555g	750g
Battery Capacity :	14.8Wh (3700mAh)	22.2Wh (6100mAh)
Battery Cells :	3	3
Outputs :	5V⎓1A, 5V⎓2A , 12V⎓10A, 19V⎓3.5A	5V⎓1A, 5V⎓2A, 12V⎓10A, 19V⎓3.5A
Input :	15V⎓1A	15V⎓1A
Full Charging Time :	Approx. 4 Hours	Approx. 6 Hours
Starting Current :	200A	300A
Peak Current :	400A	600A
Operating Temperature :	-20˚C ~ 60˚C (4˚F ~ 140˚F)	-20˚C ~ 60˚C (4˚F ~ 140˚F)
Lifetime :	>1000 cycles	>1000 cycles

General Safety Warnings

Save all warnings and instructions for future reference.

WARNING! Read all safety warnings and all instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Electrical Safety

1. Charger plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs that are earthed (grounded). Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
3. Do not expose the POWER PAK II to rain or wet conditions. Water entering the POWER PAK II will increase the risk of electric shock.
4. Do not abuse the cords. Never use the cord for carrying, pulling or unplugging the charger. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. If operating a charger in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.
6. Do not operate powered products in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Powered products create sparks which may ignite the dust or fumes.
7. Keep children and bystanders away while operating any powered products. Distractions can lead to injury of yourself or the bystanders.
8. When battery pack is not in use, keep it away from other metal object, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
9. This appliance is not intended for use by persons (including children) with reduced physical sensors or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety.
10. Children should be supervised to ensure they do not play with the appliance.
11. Always take care when using this appliance.

Additional Safety Instructions for Batteries and Chargers

1. Do not modify or take the POWER PAK II apart, re-assemble, repair battery or charger to avoid breaking or damaging of the components.
2. Do not place or allow the POWER PAK II to come into contact with water, fire or high-temperature environments.
3. Do not puncture, damage or deform the POWER PAK II.
4. Do not allow the + /- terminals of the battery to come in contact with each other. This could cause a short circuit of the battery.
5. Do not store in locations where the temperature may exceed 60 °C.
6. Charge only at ambient temperatures between -20 °C and 60 °C.
7. Charge only using the charger provided with the product.
8. Do not attempt to charge damaged batteries.
9. Under abusive conditions, liquid may be ejected from the POWER PAK II; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, flush with water and seek medical attention. Liquid ejected from the battery may cause irritation or burns.
10. Use powered products only with specifically designated POWER PAK II. Use of any other battery packs may create a risk of injury and fire.
11. Dispose of batteries in accordance with your local council regulations.

General Safety Warning (Cont.)

Chargers

1. Use your Kincrome charger only to charge the battery in the POWER PAK II with which it was supplied. Using a charger not designed for the battery it was intended for could cause battery failure, potentially leading to personal injury and damage.
2. Never attempt to charge non-rechargeable batteries.
3. Have defective cords replaced immediately.
4. Do not expose the charger to water.
5. Do not open the charger.

Labels on Tool

The following symbols are shown on the tool:

	Your charger is double insulated; therefore no earth wire is required. Always check that the mains voltage corresponds to the voltage on the rating plate. Never attempt to replace the charger unit with a regular mains plug.		
	The Charger is intended for indoor use only.		Dispose of battery as per local government requirements.
	Read the instruction manual before use.		Risk of explosion
	Warning		Energy efficiency rating
N3709	EMC (Electromagnetic Compliance) mark.		Always wear eye protection
	Always wear safety gloves		

mAh: milli Amp hour	**Wh:** Watt-hour
V: Volt	**A:** Amp

Note: This instruction manual refers to POWER PAK II throughout the instructions.
The POWER PAK II reference instructions within, cover both KP1405 POWER PAK II & KP1406 POWER PAK PLUS II products.

POWER PAK II Care and Charging

Important Notice

1. If the 240V AC Charger (10) supplied is damaged, it must be replaced by the manufacturer or an authorised Kincrome service agent or similarly qualified persons in order to avoid a hazard.
2. When installing or removing the charger connector plugs, please hold the connectors firmly.
3. Don't stretch the wire or damage can occur to the wire & plugs.

Note: For optimal performance, charge the POWER PAK II every 3-6 months and keep the POWER PAK II stored in a cool dry environment to extend the life of your product.

1. Charging the POWER PAK II Battery

Note: Charge the POWER PAK II whenever the Battery Charge LED Indicators (2) are illuminated with 2 or less bars. It is also recommended to charge the POWER PAK II periodically (approx. every 3-6 months) to keep the POWER PAK II in optimal operating condition.

To check the batteries level of charge, press the ON/OFF/TEST Button (1) and refer to the below chart to confirm level of charge of the POWER PAK II.

Battery Charge Indicator (2)	Unlit LED's	4 Flashing LED's	1 Illuminated LED	2 Illuminated LED's	3 Illuminated LED's	4 Illuminated LED's
Battery Charge Condition	0%	10%	25%	50%	75%	100%

A. Charging with the 240V AC Charger

a. To charge the POWER PAK II with the 240V AC Charger (10) locate the charger plug/adaptor on the end of the charging cable of the 240V AC Charger (10) and insert into the POWER PAK II 15V DC 1A input Charging Port (6) (fig1).

b. Plug the 240V AC Charger (10) into your wall socket and turn ON the mains power. When the POWER PAK II is charging the Battery Charge LED Indicators (2) will flash ON & OFF until each level of charge has been reached and will illuminate continuously. When finished charging, all Battery Charge LED Indicators (2) will turn OFF.

(fig 1)

B. Charging with the 12V DC Car Charger

a. To charge the POWER PAK II with the 12V DC Car Charger (11) locate the 12V charger lead/adaptor on the end of the 12V DC Car Charger (11) charging cable & plug into the POWER PAK II 15V DC 1A Input Charging Port (6) (fig 2).

b. Plug the 12V DC Car Charger (11) into your 12V DC vehicle accessory socket located within your vehicle (refer to your vehicles instruction manual for the location of your 12V DC accessory sockets). When the POWER PAK II is is charging the Battery Charge LED Indicators (2) will flash ON & OFF until each level of charge has been reached and will illuminate continuously. When finished charging, all Battery Charge LED Indicators (2) will turn OFF.

(fig 2)

1. Charging the POWER PAK II Battery (Cont.)

a. **240V AC Charger (10) -** Once fully charged the 240V AC Charger (10) can be left connected to the POWER PAK II as the charger will perform a maintenance charge.

Caution: It is recommended that the 240V AC Charger (10) be turned OFF within 48 hours after charging has completed to save electricity.

b. **12V DC Car Charger (11) -** It is not recommended to leave the POWER PAK II connected to your vehicles 12V output source for extended periods of time as this could potentially drain your vehicles battery.

Caution: If the POWER PAK II jump starter will not turn ON, the current overload or low voltage protection may have activated. To reset the jump starter you **must** connect the supplied 240V AC Charger (10) to your mains power, then connect the charger lead to the 15V DC 1A Input Charging Port (6) & turn ON the mains power. This will reset the POWER PAK II jump starter and should now function as normal.

POWER PAK II Operation

2. POWER PAK II Pre-Operation Check

Caution: Before using the POWER PAK II ensure your vehicle battery has a CCA rating of 400CCA or less for KP1405 & 600CCA or less for KP1406.

Trying to start any vehicle with a battery rated greater than 400CCA for KP1405 & 600CCA for KP1406 could trip the current overload protection or cause damage to the POWER PAK II and void the product warranty.

Caution: Refer to your vehicles instruction manual for "connection of jumper cables" as some vehicles have specific connection requirements.

3. Follow the below instructions when your vehicle will not start due to a low voltage, flat, damaged or low temperature battery.

4. Ensure the Battery Charge LED Indicators (2) are illuminated, a minimum of 3 BLUE LED's are illuminated before trying to jumpstart your vehicle.

5. Do not attempt to jumpstart your vehicle if the Battery Charge LED Indicators (2) are illuminated with less than 3 BLUE LED's.

6. If the Battery Charge LED Indicators (2) are showing 2 or less illuminated BLUE LED's; recharge the POWER PAK II as specified in "Charging the POWER PAK II Battery" on Pages 5 & 6.

7. Do not touch or connect the Positive Battery Clamp **RED** (12) to the Negative Battery Clamp **BLACK** (13) at any stage. Connecting the Battery Clamps (12 & 13) together may lead to damage of the POWER PAK II, and/or vehicles battery and could be dangerous.

8. Always ensure you connect the jump starter clamps to the correct battery terminals, connect the Positive Battery Clamp **RED** (12) to the positive terminal (+ RED) of your vehicles battery and the Negative Battery Clamp **BLACK** (13) to the negative terminal (- BLACK) of your vehicles battery otherwise you may cause damage to the POWER PAK II or your vehicle.

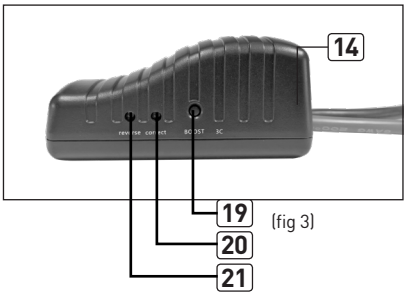
9. Always check that the Battery Clamps (12 & 13) have a good connection to the vehicle battery terminals.

10. Check that the vehicle battery terminals are free of corrosion and are clean, to ensure a positive connection of the POWER PAK II.

11. Do not try to restart the vehicle after 3 consecutive starting attempts, otherwise you may cause damage to the POWER PAK II. Check your vehicle for other possible reasons prior to trying to start your vehicle again.

3. INTELLI-CHECK LED / Noise and Button Indicators

The POWER PAK II is fitted with INTELLI-CHECK Jumper Cables (14). Familiarize yourself with the features of the INTELLI-CHECK as per below, prior to connecting to your vehicles battery.



(fig 3)

(fig 4)

Caution: Do Not press the "BOOST" Button (19) prior to connecting the jumper cables to your vehicle.

Note: Once the POWER PAK II is connected to your vehicles battery, the below indicators may be illuminated and function buttons used when needed.

GREEN LED Illuminated (Correct Polarity LED) (20): Indicating that the jumper cable connections are correct and the circuit is working and ready for use, you can turn the engine ignition key to jump-start the vehicle.
RED LED Illuminated (Reverse Polarity LED) (21) with buzzing: Indicating that the jumper cable connections are incorrect (wrong) and buzzing to alarm the user to disconnect the battery clamps and re-correct the clamps correctly.
GREEN LED (Correct Polarity LED) (20) flashing with buzzing: Informing the user the vehicle battery is low, press the "BOOST button (19), wait for the GREEN LED to illuminate then turn the engine ignition key within 30s.
NO LED's Illuminated , No buzzing: Indicates the vehicle's battery maybe damaged or the jumper cables may have a bad connection to the vehicles battery terminals. Check the jumper cable connections to confirm a positive connection then, press the "BOOST" Button (19), wait for the GREEN LED to illuminate.Then you can turn the engine ignition key to jump-start the vehicle.

4. POWER PAK II Jump Starter Operation

WARNING! Do not leave your vehicle unattended at any time.

1. Press the ON/OFF/TEST Button (1) and ensure that the POWER PAK II Battery Charge LED Indicators (2) are illuminated with a minimum of 3 BLUE LED's.
2. Connect the BLUE connector plug located on the end of the INTELLI-CHECK Jumper Cable (14) into the Jump Start Cable Port (9). Ensure that the BLUE connector plug is firmly pushed into the Jump Start Cable Port (9) for a positive connection and ensure that the LED's on the INTELLI-CHECK Jumper Cable (14) are NOT illuminated.

Note: Failing to securely locate the BLUE connector plug could result in a reduced electrical contact causing the plug to melt or deform.

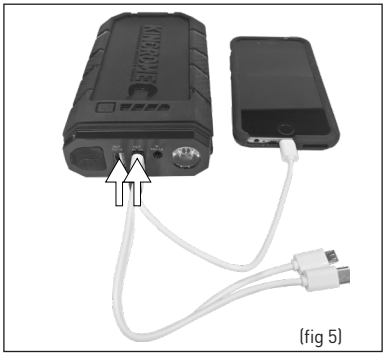
3. Connect the Jump Starter Battery Clamps (12 & 13) to the vehicles battery terminals correctly, connect the Positive Battery Clamp **RED** (12) to the positive terminal (+ RED) of your vehicles battery and the Negative Battery Clamp **BLACK** (13) to the negative terminal (- BLACK) of your vehicles battery.
4. Turn your ignition key to start the vehicle.

Note: If your vehicle does not start within 3 seconds wait for approx. 30 seconds and repeat steps 1-5.

5. When the vehicle has started, disconnect the POWER PAK II Jump Starter Battery Clamps (12 & 13) from the vehicle battery within 30 seconds, starting with the Positive Battery Clamp **RED** (12) first and then the Negative Battery Clamp **BLACK** (13).
6. After disconnecting the POWER PAK II Jumper Cables (12 & 13), leave the vehicle's engine running to recharge the battery.

5. Charging your Electronic Devices (Phone, Tablet, iPod etc.)

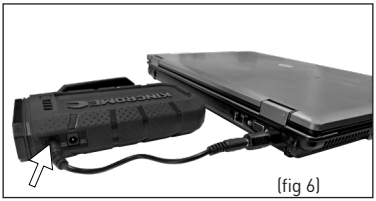
1. Connect the Electronic Device Charging Cable (17) into the USB 5V DC 1A or 2A Output Port (7 & 8).
2. Choose the correct electronic device adaptor located on the end of the Electronic Device Charging Cable (17). Connect your chosen charging device adaptor into the appropriate charging input of your electronic device (fig 5).
3. Turn ON the POWER PAK II by pressing the ON / OFF / TEST Button (1). Your device will begin charging. Once your device is fully charged remove the charging adaptor or lead from your device and the POWER PAK II.


(fig 5)

6. Charging your Laptop

Note: Ensure that the laptop is **switched OFF and closed** during the charging process as sometimes the laptops current draw when in operation can trip the 19V DC 3.5A Output Port (4) over current protection circuit.

Tripping the over current protection circuit will turn OFF the POWER PAK II temporarily.


(fig 6)

1. Connect the Multi Purpose Accessory Cable (16) into the 19V DC 3.5A Output Port (4).
2. Choose the correct Laptop Charger Adaptor (15) from the choice of 8 available adaptors provided with your POWER PAK II kit and plug the adaptor onto the end of the Multi Purpose Accessory Cable (16).
3. Connect your chosen charging adaptor into the appropriate charging input of your laptop (fig 6).
4. Turn the POWER PAK II ON by pressing the ON/OFF/TEST button (1). Your laptop will begin charging. Once your laptop is charged remove the charging adaptor or lead from your laptop and the POWER PAK II.

Note: Depending on your laptop battery capacity the POWER PAK II may not fully charge your laptop.

Note: Please ensure your laptop charging current does not exceed the rated 3.5A. Please refer to your laptop power supply to check and confirm wattage, voltage and current ratings are all correct before connecting the laptop to the POWER PAK II for charging.

7. Power Supply for Your 12V DC Products

1. Connect the 12V DC Female Adaptor (18) into the 12V DC 10A Output Port (3).
2. Connect the other end of the 12V DC Female Adaptor (18) into your chosen 12V DC vehicle accessory (fig 7).
3. Turn the POWER PAK II ON the by pressing the ON/OFF/TEST button (1).
4. Once you have finished using your 12V DC accessory, remove the 12V DC Female Adaptor (18) from your accessory and the POWER PAK II.

Note: Running time of the your device will vary depending on the devices input requirements & charge status of the POWER PAK II.

Please note that the POWER PAK II is only meant to operate small low amperage accessories, not items such as in vehicle refrigerators, winches etc.

(fig 7)

8. LED Torch/Emergency Light

1. Press and hold the ON/OFF/TEST button (1) for approx. 3 seconds to turn ON the LED Torch/Emergency Light (5).
2. To change to the STROBE LED mode, press the ON/OFF/TEST Button (1) once.
3. To change to the SOS LED mode press the ON/OFF/TEST Button (1) once again.
4. Turn OFF the LED Torch/Emergency Light (5) feature by pressing the ON/OFF/TEST Button (1) again.

Composition and amount of toxic and harmful substance in POWER PAK II

Pb	Hg	Cd	Cr(Vi)	PBB	PBDE
O	O	O	O	O	O

O : Indicate all homogeneous materials hazardous substances content are below the MCV limit specified in the Standard 2002/95/EC (RoHs).

9. Frequently Asked Questions

Q. How do I turn ON the POWER PAK II?
A. Press the ON / OFF / TEST Button (1).

Q. How do I turn OFF the multi-function POWER PAK II?
A. The POWER PAK II will turn OFF automatically when not in use (approx. 1-2min), or when charging has completed.

Q. How many times can the POWER PAK II re-charge my mobile phone?
A. The POWER PAK II can recharge your mobile phone approx. 2 - 3 times for the KP1405 & approx. 2 - 4 times times for the KP1406.The quantity of re-charges for mobile devices could vary depending on the product and its battery capacity, also how charged the POWER PAK II is at the time.

Q. How long will the POWER PAK II take to re-charge my mobile phone?
A. The POWER PAK II can recharge your IPhone 4/5/6/7 mobile phone in approx. 1 hour. Other mobile devices could take longer depending on the product and its battery capacity.

Q. How long will the POWER PAK II take to re-charge my laptop?
A. The POWER PAK II can recharge a laptop battery to approx. 45-100% in approx. 1 hour depending on the product and its battery capacity.

Q. How many times can the POWER PAK II jump start my vehicle if the battery is fully charged?
A. The POWER PAK II can deliver approx. 20 starts for KP1405 & approx. 50 starts for KP1406 on a when fully charged but varies depending on the vehicles starting power draw requirements.

Q. How long will a fully charged POWER PAK II remain charged sitting in my vehicle?
A. The POWER PAK II can remain up to 80% charge for up to 6-8 months. The internal temperature of your vehicle can affect the battery charge time so it is recommended to check or recharge the POWER PAK II every 3-6 months to ensure it is in optimal working condition.

10. Resetting The Current Overload

To reset the current overload feature you need to connect the 240V AC Charger (10) to the 15V DC 1A Input Charging Port (6) and turn ON the mains power of your power socket. This will reset the current overload feature of your POWER PAK II and you can continue using the POWER PAK II.

11. Troubleshooting

PROBLEM	CAUSES	SOLUTIONS
The POWER PAK II Battery Charge LED Indicators (2) are showing 4 illuminated LED's , but will not start the vehicle or charge any device.	During extended periods of non use or extreme temperatures the POWER PAK II could loose charge of up to 40%, but the unit may still indicate full charge.	Recharge the POWER PAK II using the 240V AC Charger (10) or 12V DC Car Charger (11).
No response when pressing the ON/ OFF/TEST Button (1) of the POWER PAK II.	The low voltage/over current overload circuit within the POWER PAK II has initiated.	To reset the low voltage/over current connect the POWER PAK II using the 240V AC Charger (10).
The POWER PAK II is hot to touch when charging laptop batteries.	The charging current of the laptop could be above the maximum capacity (3.5A)	Disconnect the POWER PAK II and allow to cool down first. Please check that the laptop charging voltage and current are correct. Reconnect the POWER PAK II and recharge your laptop battery.

Included	Qty	Included	Qty
POWER PAK II	1	240V AC Charger (10)	1
Multi Purpose Accessory Cable (16)	1	12V DC Car Charger (11)	1
Electronic Device Charging Cable (17)	1	INTELLI-CHECK Jumper Cables (14)	1
Laptop Charger Adaptors 8pcs (15)	1	Instruction Manual	1
12V DC Female Adaptor (18)	1	POWER PAK II Carry Case	1

12. Spare Parts

1.	Multi-Purpose Accessory Cable (16)	KP1401-1
2.	Electronic Device Adaptor Cable (17)	KP1401-2
3.	Laptop Charger Adaptors (8pce Set) (15)	KP1401-3
4.	240V AC Charger (10)	KP1402-1
5.	12V DC Car Charger (11)	KP1401-5
6.	INTELLI-CHECK Jumper Cable (14)	KP1404-1
7.	12V DC Female Adaptor (18)	KP1400-1

13. Office Contact Details

Phone: 1300 657 528

Fax: 1300 556 005

Email: enquiries@kincrome.com.au

Website: www.kincrome.com.au

14. Caring For The Environment

When a tool is no longer usable it should not be disposed of with household waste, but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.

Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

15. Warranty

Warranty given by Kincrome Australia Pty Ltd of 3 Lakeview Drive, Caribbean Park, Scoresby, Victoria (Tel 1300 657 528). The applicable warranty period (12 months) commences on the date that the product is purchased. If this product has materials or workmanship defects (other than defects caused by abnormal or non warranted use) you can, at your cost, send the product to place of purchase, an authorised Kincrome service agent or one of Kincromes addresses for repair or replacement. Your rights under this warranty are in addition to any other rights you have under the Australian Consumer Law or other applicable laws. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For further details please visit www.kincrome.com.au or call us. Due to minor changes in design or manufacture, the product you purchase may sometimes differ from the one shown on the packaging.
IMPORTANT! If the tool fails to operate correctly, call customer service on 1800 657 528 for advice on the best resolution for your situation. If a resolution cannot be achieved over the phone please take the tool and all related accessories to an authorised service centre or place of purchase showing proof of purchase for assistance.

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