

FOR CAR USE ONLY



## IDLE STOP POWER BOOSTER KPX-100B

### o OWNER'S MANUAL

Please read before using this equipment.

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# Operating Instructions

## WARNING



**This symbol means important instructions. Failure to heed them can result in serious injury or death.**

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### MAKE THE CORRECT CONNECTIONS

When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the device to the fuse box, make sure the fuse for the intended circuit of the device has the appropriate amperage. Failure to do so may result in fire or damage to the unit and/or the vehicle. When in doubt, consult your Alpine dealer.

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### BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL

Failure to do so may result in electric shock or injury due to electrical shorts .

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### DO NOT ROUTE ELECTRICAL CABLES NEAR HOT OR MOVING PARTS.

Route the cables and wiring away from hot or moving parts, and fix them securely to avoid heat/mechanical damage to the cable insulation, which may result in a short circuit, fire or electric shock.

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### DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

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### DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

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### DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

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**DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.** Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

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### USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

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### WHEN USING A DRILL TO MAKE A HOLE, TAKE PRECAUTIONS SUCH AS WEARING GOGGLES SO FRAGMENTS DO NOT GET INTO THE EYES.

Failure to do so may result in injury.

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### HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

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### ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring.

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### HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

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### CHECK WIRING WHEN ATTACHING.

Double-check your wiring to ensure all connections are correct and secure. Also, do not apply unnecessary force to the harness. This can result in battery failure, performance failure, connector damage, or wire breakage.

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### DO ONLY USE FOR ALPINE HEADUNIT, AV OR AVN UNIT. NEVER USE WITH AMPLIFIERS.

This device is designed to work with head units, AV or AVN units. It is safe to buffer a steering wheel remote interface if the car is equipped with one. Never connect amplifiers or other devices with high power consumption to it! Doing so will exceed the current carrying capacity of the product and result in serious damage or fire.

## Feature

This product detects the battery voltage of a vehicle and buffers the output voltage at 12VDC when sudden drops in the input voltage are detected. Such drops usually happen during engine cranking or re-start in case of cars with stop/ start function.

The KPX-100B can buffer one CD- Tuner or Mobile Media Station (or similar product) plus a steering wheel remote control or CAN interface.

Amplifiers and other high current products must under no circumstances be connected to the output of the KPX-100B.

## Information

### Specifications

Input Voltage..... 6VDC – 13,8VDC

Output Voltage..... 12 VDC (stabilized)

#### Output Current:

Average. .... 7,5A (@ 8,1VDC)

Max. .... 9A (@ 8,1VDC,  
t < 3.000 ms)

Bypass. .... 13A (average)  
16A (t < 500ms)

#### Power Consumption:

Bypass..... 0,3mA

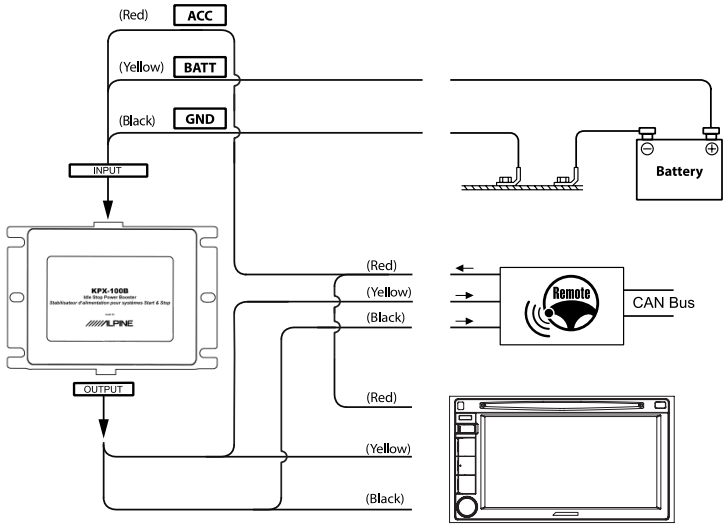
Temperature range..... -30°C to +80°C

Weight..... 68g

Dimensions: W x L x H... 106 x 30 x 71mm

# System Connections

For Cars with ACC over CAN



For Cars with conventional ACC

