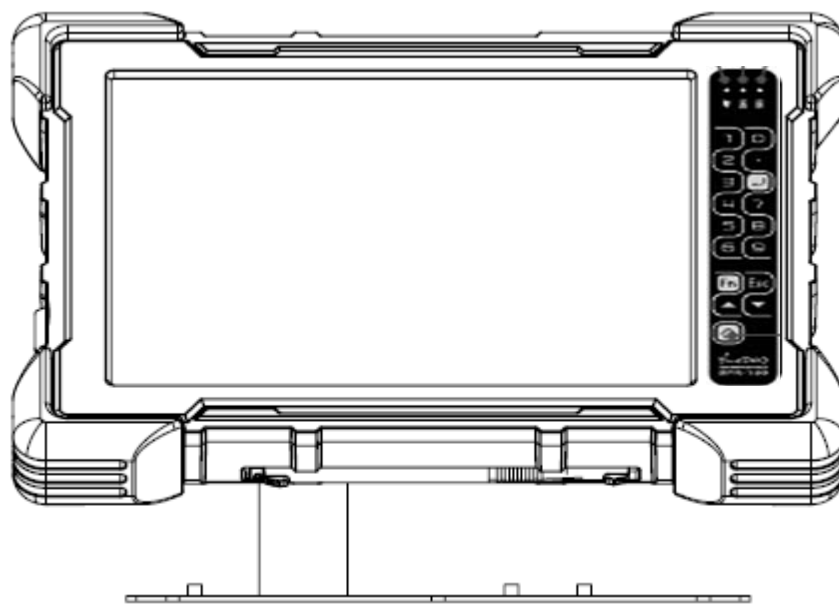


BPR-100 User's Manual








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Safety Precautions

Some pictures may different from actual products.

Safety Precautions Notations

	WARNING	Failure may cause personal injury or fatality.
	CAUTION	Failure may cause slight injury to yourself or damage your property.
		△ indicates cautions are necessary.
		⊘ indicates prohibited actions.
		● indicates mandatory actions.

Usage related cautions



Do not operate the product with wet hands.

If you handle it with wet hands, there is a danger of the electric shock.



Do not operate the product when it's lighting.

There is a danger of the electric shock.



Do not place metals such as bowls containing liquids and accessories on the product.

The liquid flowing out from a bowl may cause fire or electric shock.



When there is smoke or suspicious odor, turn off the power and contact a product distributor.

If you keep using it, there is a danger of the fire or electric shock.



Do not drop or put metals, liquids or combustible materials on the product.

It may cause the electric short on wires, followed by fire or electric shock.



If some foreign substances are inserted in the product, turn off the power and contact a product distributor.

If you keep using it, there is a danger of the fire or electric shock.



Do not drop the product and impact on it.

It may cause the product's cover to be damaged, followed by the fire or electric shock.



Unplug the power when you move the product.

Otherwise, there is a danger of the fire or electric shock.



Avoid to use the product at the place water is dispersed, and ensure it is not wet.

There is a danger of the fire or electric shock.



Do not use the product while driving a car.

There is a danger of the traffic accident.



Do not leave it on the places warm, dusty or exposed to the direct sun light.

It may cause too high inside temperature or wrong insulation, followed by fire or electric shock.



Do not put the product on a shaking support table or places having a slope or nearby vibration source.

Its dropping or falling may cause you to be wounded.



Do not put the product at the places warm or heated, including cooking tables, heaters and thermal devices. It may cause wrong insulation or have rubber parts including the cover thawed, followed by fire or electric shock.



Do not put the product on the places affected by the cooled air.

The dewdrop may cause the fire or electric shock.



Do not allow kids to use the product, and do not put the product where infants can access.

It may cause fire or have them wounded.



Do not open it for its inspection, cleaning and exchange of consumables, except the parts this handbook specifies.

It may cause a fire or have people wounded.



When the liquid in the LCD is leaked due to its screen damage, ensure you do not touch the LCD.

It may have your skin burned. If it got touched with skin or clothes, wash it with clean water to enable its removal.



Do not wipe it with chemicals such as thinner or benzene.

Otherwise, it may cause a fire.



This device should be permanently mounted in a vehicle using a manufacturer or customer supplied mounting plate so as to insure a separation distance of 20Cm from the body.



Otherwise, it may cause a physical damage in your body

Cautions related battery



Do not put a battery pack into fire, and do not heat it.

There is a danger of the explosion or ignition.



Do not leave a battery pack on the place where kids can access.

If they swallow it by mistake, there is a danger of suffocation.

If then, a doctoral care is immediately required.



Do not assemble or revise a battery pack.

There is a danger of the explosion or ignition.



Do not drive a nail into a battery pack, and do not hit it with a hammer or crash it.

If its poles are electrically short, there is a danger of heating, explosion or ignition.



Do not charge the battery pack with arbitrary methods rather than the specified method.

There is a danger of the explosion or ignition.



A battery pack should be applied for the consistent products.

The usage of the battery pack on the products other than corresponding products may cause a heat, explosion or ignition due to its inconsistent voltage or terminal polarity.



Do not put (+) and (-) poles of a battery pack on any metals including wires or foreign substances. If its poles are electrically short, there is a danger of heating, explosion or ignition.



Do not bring it along with metallic hangers, hair pins, and key rings.

If its poles are electrically short, there is a danger of heating, explosion or ignition. When you bring or hold a battery pack, wrap it with vinyl to ensure its poles are not touched on metals.



For the usage of this product, ensure the battery pack is securely connected.

Unless it is securely connected, it may be dropped and cause you to be wounded.



If a battery pack is damaged, do not touch its contents.



Do not leave a battery pack on the place exposed to the high-temperature.

If its packing tube is thawed, there is a danger of the short-circuit, followed by an explosion, ignition. Also it may cause to lower the battery performance.



If there occurs the heating, smoking or suspicious odor from a battery pack, stop using it and isolate it from the fire, and then contact a product distributor.

There is a danger of the explosion or ignition.



Do not use a battery pack on other devices than this product.

There is a danger of the explosion or ignition.



Do not touch the battery pack with wet hands.

There is a danger of the electric shock.



Ensure that the battery pack is not soaked in water or wet.

There is a danger of the electric shock.



Cautions related AC adaptor



Do not use it with the power supply other than the rated voltage/current.

There is a danger of the fire or electric shock.



Avoid much dispersed or cascaded wiring, as well as the wiring using extended cables.

Exceeding over the rated wiring capacity may cause fire or electric shock.



With wet hands, do not operate the product and plug/unplug the power cables.

If you handle it with wet hands, there is a danger of the electric shock.



Do not bend the power cable excessively, damage it, tight it, put heavy weight materials on it, and heat it.

The damaged cables may cause fire or electric shock.



When you unplug the adaptor's power cable, ensure to unplug it with holding its plug. Excessive stretching of the power cable may cause its insulated conductor to be cut or exposed, followed by fire or electric shock.



When the product is not used for a long time, you should switch off the power and unplug the power cable from its outlet.



More than once every year, unplug the power cable, and cleanse its plug's terminal and parts around it.

The covered dust may cause fire.



Plug the power cable to ensure that its plug (including its root) is securely inserted into the outlet.

Otherwise, it may cause a fire or electric shock.

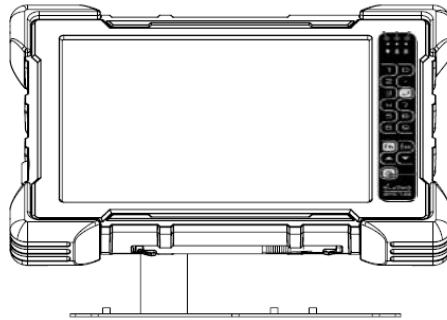


Use the original only.

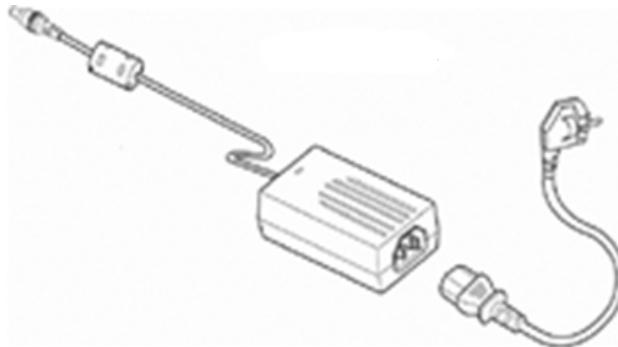


1. Package contents

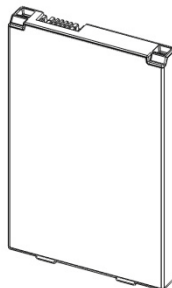
BPR-100 System PC



AC adaptor

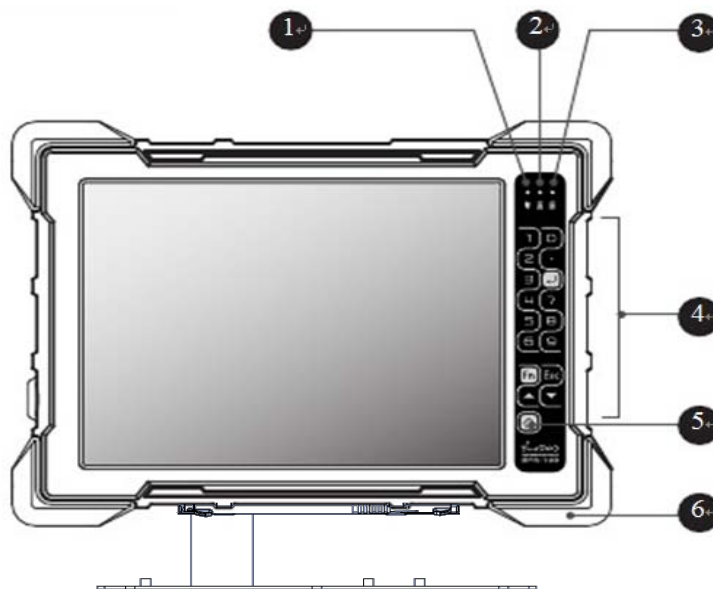


Battery pack



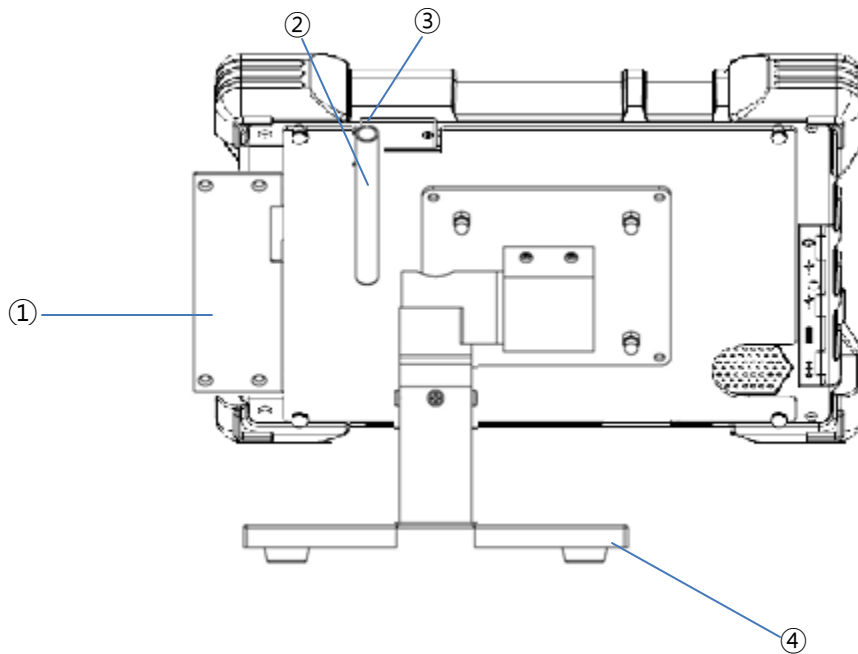
2. Overview

Front view



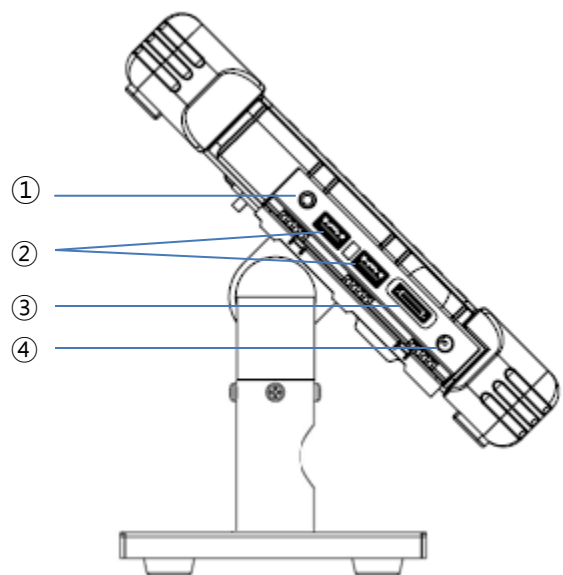
① Battery LED1	Indicates the Battery1 status.
② Battery LED2	Indicates the Battery2 status.
③ Power LED	Indicates power status.
④ Key pad	Enables you to input numbers and punctuations and to move a cursor.
⑤ Power button	Enables you to turn on or off the system.
⑥ Bumper	Protects the system from damage.

Back view



① External Device Attach Plate	A plate for attaching an external device.
② Stylus pen holder	Gives easy access to a pen.
③ Stylus pen tether hole	Prevents the loss of a stylus pen.
④ Cradle	Enables you to connect external devices.

Left side view



① Headset connector	For an external headset.
② USB 1, 2	Enables you to connect external devices.
③ Expansion port connector	Enables you to connect external devices. (Power, RJ-45, USB, External display)
④ Power connector	For AC adaptor.

LED Status

LED	Status	LED status	Meaning
Battery(A and B)	Charging	On	The battery is charging.
	Charged	Off	The battery is charged.
	Low power	Blink	The battery needs to be charged.
	Very low power	Fast blink	The battery is in very low power state. You may experience unexpected power-down and loose your unsaved data.
Power/Suspend	DC-In(Power-off)	Fast blink	The AC adaptor is connected, but the system is in power-off state.
	Power On	On	The AC adaptor is connected, but the system is in power-on state.
	Suspend(Save to RAM)	Blink	The system is in suspend mode.

3. Using the system

Turning on the system

1. Make sure the table is off.
2. Make sure the charged batteries are inserted, or AC adaptor is plugged in.
3. Press the power button for 3 seconds and release the button.

Turning off the system

1. If the system is in suspend mode, turn on the system.
2. Save your work and close all programs.
3. From the Windows “Start” menu, click “Turn Off Computer”.

(If you need to force the system to turn off, press the Power button for about 5 seconds. Use this method only when you cannot turn off the system by any other means, because you may lose unsaved data.)

Key buttons

Numbers and Enter	Enables you to input numbers and enter.
Arrow	Enables you to move cursor.
DEL, BS, ,	Enables you to delete characters and input “,”.
Fn	When combined with another key, it is used as function key.
Power	Enables you to turn on and off the system.

Touch screen

When you press the touch screen, please use the provided stylus pen or your finger.

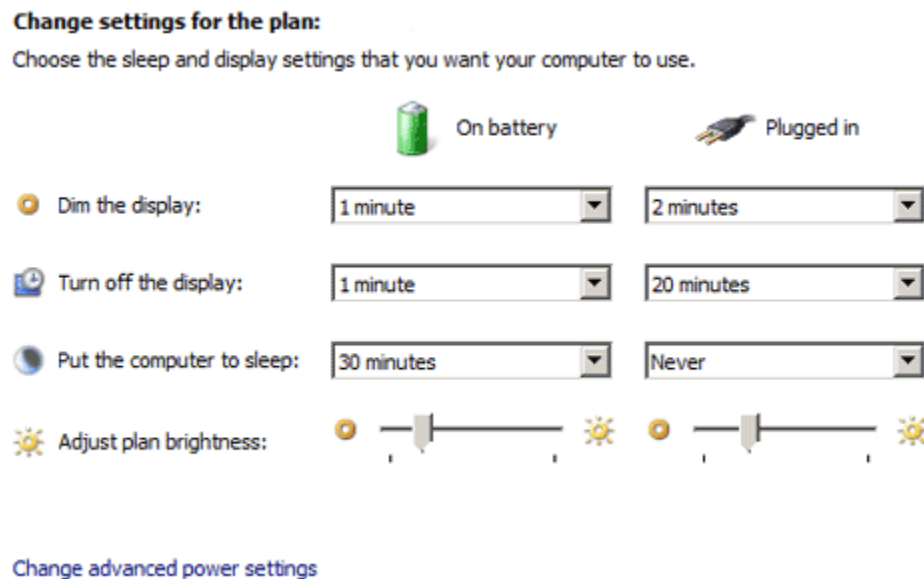
Warning – Do not use objects like a pencil, ball point pen or screwdriver which can damage the system. Damage caused by using an item not provided with the system is not covered by the system warranty.

Adjusting screen brightness



Open power options window by doing this.

Start → Control Panel → Power Options → Change plan settings under your selected plan.

Adjust the brightness.



Connecting headphone or microphone

General earphone/microphone male jack	Headset male jack
	

Headset connector on the system is for both earphone and microphone. If you want to use earphone and microphone at the same time, you need to use a headset and make sure that its jack looks like the above picture.

If you connect earphone to the system, microphone cannot be connected. Likewise if you connect microphone, earphone cannot be connected.

Removing and installing the batteries

Removing batteries

1. Press inside release button and pull-out the battery cover to outside direction.



2. Remove the battery cover and pull the battery away from the system.

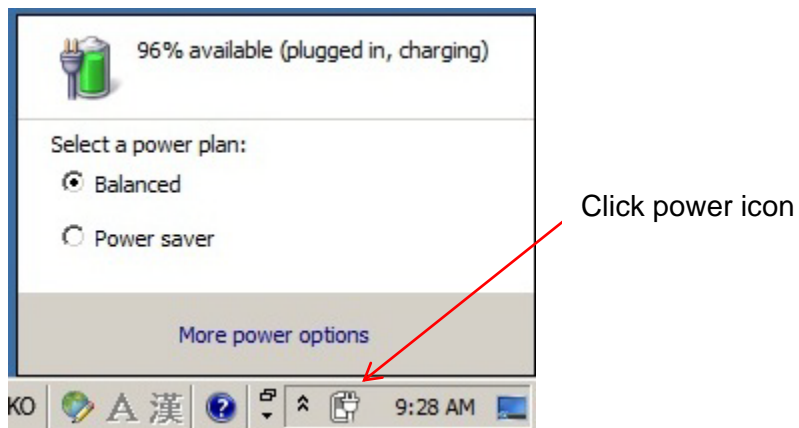


Installing batteries

1. Orient the battery with the battery connector in the empty battery tray.
2. Slide the battery into the tray and press it firmly until it is seated.
3. Put the battery cover on and tighten the screws.

Charging batteries

1. Make sure that the batteries are installed and plug in the AC adapter.
2. If charging is started, battery LEDs will be on.
3. If they are charged, battery LEDs will be off. Charging status can be checked on Windows.



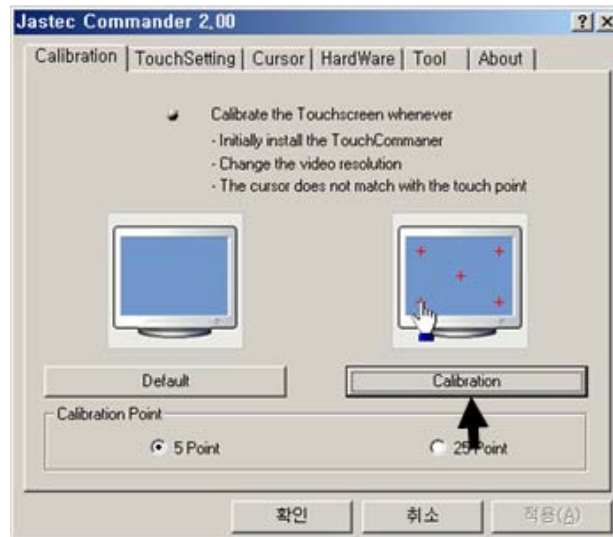
4. Troubleshooting

Problem	Solution
System will not start	<ul style="list-style-type: none">• Make sure that batteries are installed.• Make sure that batteries are charged enough.• If batteries are no longer working, replace them with new ones.• If the system is out of order, contact a service center.
Display screen is blank or difficult to read.	<ul style="list-style-type: none">• The brightness may be too low. Adjust the brightness.• Avoid direct sunlight environment and adjust reflecting angle.• If the system is out of order, contact a service center.
Touch panel does not respond.	<ul style="list-style-type: none">• Touch calibration may not be correct. Perform touch calibration again.• Just after Windows log on, touch response can be slow. Try touch input in about a minute.• System itself may not work, restart the system. If the problem repeats, contact a service center.
System is halted.	<ul style="list-style-type: none">• External electric or physical shock can cause system failure. Contact a service center.
USB port does not work.	<ul style="list-style-type: none">• Clean the USB port and retry it.• Reboot the system and retry it.• If the problem repeats, contact a service center.

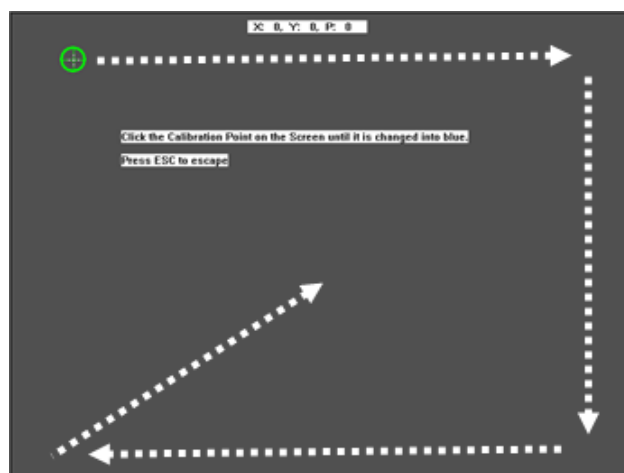
5. Software usage

Touch calibration

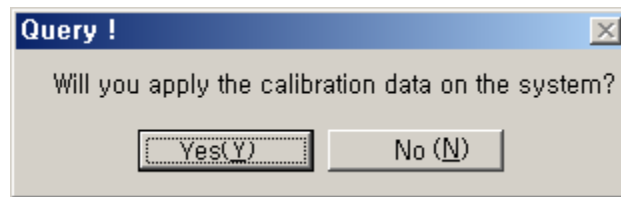
1. Click touch calibration icon on the Desktop to execute a touch calibration program.



2. Touch calibration will start from left-top corner and proceed clockwise. Press the center of a cross-hair with a stylus pen until the cross-hair changes blue. When you release the stylus pen the cross-hair will move to the next position. (left-top → right-top → right-bottom → left-bottom → center).



3. When the calibration is finished, a pop-up window will be displayed. Click “Yes” to save the setting or click “No” to discard the setting.



6. Specification

Item	Description	Comment
CPU	Intel Z530, X86 Core	Z510 or Z530
OS	Windows 7 Embedded or Windows XP Embedded	
Display	10.4" TFT LCD, 1024x768	
Touch	Resistive	
Memory	1GB(DDR2 SODIMM)	
Storage	DOM 4GB~64GB	SSD
Network	RJ45, 10/100 1port	Expansion Port
	802.11 b/g/n, Bluetooth	
I/O	USB 2.0 2 Ports, SD/MMC	
	CRT-OUT	Cradle
Battery	Li-Polymer 4~6 hours	Dual batteries (2700mAhx2)
Power Supply AC Adapter	Auto-Sensing 100-240V 47-63Hz Supplying 19VDC 3.4A	
System Power Input	19VDC 3.4A	
Dimension	203x279x32mm	
Weight	1. 2Kg(Est.)	
Waterproof	IP65	
Temperature	Operating : 0~40°C	
	Storage : -20~60°C2	
Humidity	5~95%	Non-condensing

FCC Compliance statement and Information to User This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: —Reorient or relocate the receiving antenna. —Increase the separation between the equipment and receiver. —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. —Consult the dealer or an experienced radio/TV technician for help. IMPORTANT NOTE: This device is only sold for use as a Mobile Device, and not ever be used less than 20 cm from the User. To comply with FCC RF exposure compliance requirements, this device should be permanently mounted in a vehicle using a manufacturer or customer supplied mounting plate. This device must be installed to provide a separation distance of at least 20 cm from all persons.