



Panasonic®

Handheld Computer SAFETY PRECAUTIONS

Model No. **CF-P2 Series**

Please read this safety precautions carefully before using CF-P2 and save this safety precautions for future use.

Federal Communications Commission Radio Frequency Interference Statement

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 Panasonic Service Center or an experienced radio/TV technician for help.

Warning

To assure continued compliance, use only shielded interface cables when connecting to a computer or peripheral. Also, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Exposure Warning:

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- This equipment has been approved for portable operation, and unless otherwise advised in separate supplemental instructions for individual wireless transmitter(s), requires minimum 1.5 cm spacing be provided between antenna(s) and all person's body (excluding extremities of hands, wrist and feet) during wireless modes of operation.
- This equipment may use multiple installed transmitters, which may be capable of simultaneous transmission.

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.

Responsible Party: Panasonic Corporation of North America
One Panasonic Way
Secaucus, NJ 07094
Tel No:1-800-LAPTOP5 (1-800-527-8675)

Interface Cable

Use of an interface cable longer than 3 m (9.84 feet) is not recommended.

Information to the User

This product and your Health

This product, like other radio devices, emits radio frequency electromagnetic energy. The level of energy emitted by this product however is far much less than the electromagnetic energy emitted by wireless devices like for example mobile phones.

Because this product operates within the guidelines found in radio frequency safety standards and recommendations, we believe this product is safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

In some situations or environments, the use of this product may be restricted by the proprietor of the building or responsible representatives of the organization. These situations may for example include:

- Using this product on board of airplanes, or
- In any other environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the policy that applies on the use of wireless devices in a specific organization or environment (e.g. airports), you are encouraged to ask for authorization to use this product prior to turning on the product.

Regulatory Information

We are not responsible for any radio or television interference caused by unauthorized modification of this product. The correction of interference caused by such unauthorized modification will be the responsibility of the user. We and its authorized resellers or distributors are not liable for damage or violation of government regulations that may arise from failing to comply with these guidelines.

Nickel metal hydride battery

Nickel metal hydride battery!

This computer contains a nickel metal hydride battery to enable the date, time, and other data to be stored. The battery should only be exchanged by authorized service personnel.

Warning! A risk of explosion from incorrect installation or misapplication may possibly occur.

For GSM/GPRS

The following safety precautions must be observed during all phases of the operation, usage, service or repair of any Personal Computer or Handheld Computer incorporating GSM/GPRS modem. Manufacturers of the cellular terminal are advised to convey the following safety information to users and operating personnel and to incorporate these guidelines into all manuals supplied with the product. Failure to comply with these precautions violates safety standards of design, manufacture and intended use of the product. Panasonic assumes no liability for customer failure to comply with these precautions.



When in a hospital or other health care facility, observe the restrictions on the use of mobiles. Switch Personal Computer or Handheld Computer incorporating GSM/GPRS modem off, if instructed to do so by the guidelines posted in sensitive areas. Medical equipment may be sensitive to RF energy.

The operation of cardiac pacemakers, other implanted medical equipment and hearing aids can be affected by interference from Personal Computer or Handheld Computer incorporating GSM/GPRS modem placed close to the device. If in doubt about potential danger, contact the physician or the manufacturer of the device to verify that the equipment is properly shielded. Pacemaker patients are advised to keep their Personal Computer or Handheld Computer incorporating GSM/GPRS modem away from the pacemaker, while it is on.



Switch off Personal Computer or Handheld Computer incorporating GSM/GPRS modem before boarding an aircraft. Make sure it cannot be switched on inadvertently. The operation of wireless appliances in an aircraft is forbidden to prevent interference with communications systems. Failure to observe these instructions may lead to the suspension or denial of cellular services to the offender, legal action, or both.



Do not operate Personal Computer or Handheld Computer incorporating GSM/GPRS modem in the presence of flammable gases or fumes. Switch off the cellular terminal when you are near petrol stations, fuel depots, chemical plants or where blasting operations are in progress. Operation of any electrical equipment in potentially explosive atmospheres can constitute a safety hazard.



Your Personal Computer or Handheld Computer incorporating GSM/GPRS modem receives and transmits radio frequency energy while switched on. Remember that interference can occur if it is used close to TV sets, radios, computers or inadequately shielded equipment. Follow any special regulations and always switch off Personal Computer or Handheld Computer incorporating GSM/GPRS modem wherever forbidden, or when you suspect that it may cause interference or danger.



Road safety comes first! Do not use a Personal Computer or Handheld Computer incorporating GSM/GPRS modem while driving a vehicle. Do not place the computer with GSM/GPRS modem in an area where it could cause personal injury to the driver or passengers. It is recommended to stow the unit in the boot or secure stowage area while driving.

Do not place the computer with GSM/GPRS modem in an area over an air bag or in the vicinity where an air bag may deploy. Air bags inflate with great force and if the computer with GSM/GPRS modem is placed in the air bag deployment area may be propelled with great force and cause serious injury to occupants of the vehicle.

For GSM/GPRS

SOS

IMPORTANT!

Personal Computer or Handheld Computer incorporating GSM/GPRS modem operate using radio signals and cellular networks cannot be guaranteed to connect in all conditions. Therefore, you should never rely solely upon any wireless device for essential communications, for example emergency calls.

Remember, in order to make or receive calls, Personal Computer or Handheld Computer incorporating GSM/GPRS modem must be switched on and in a service area with adequate cellular signal strength.

Some networks do not allow for emergency calls if certain network services or phone features are in use (e.g. lock functions, fixed dialing etc.). You may need to deactivate those features before you can make an emergency call.

Some networks require that a valid SIM card be properly inserted in Personal Computer or Handheld Computer incorporating GSM/GPRS modem.

Precautions

As with any portable computer device precautions should be taken to avoid to the CF-P2 damage. The following usage and handling procedures are recommended.

Before putting the computer away, be sure to wipe off any moisture.

Avoid Extreme Heat and Cold

Do not store or use the computer in locations exposed to heat (in an automobile on a sunny day, for example), direct sunlight, or extreme cold.

Avoid moving the computer between locations with large temperature differences.

Operation

Temperature: 5 °C to 35 °C {41 °F to 95 °F}

Humidity: 30 % to 80 % RH (No condensation)

Storage

Temperature: -20 °C to 60 °C {-4 °F to 140 °F}

Humidity: 30 % to 90 % RH (No condensation)



Avoid Radio Frequency Interference

Do not place the computer near a television or radio receiver.



Be careful of low-temperature burns

Avoid more than casual contact with any heat producing area of the computer, AC adaptor, and any option or accessory you use with it. Even low heat, if warmer than the body's temperature, can cause burns, if the skin is exposed to the heat source for a long enough period of time.



Avoid Magnetic Fields

Keep the computer away from magnets.



Avoid Stacking

Do not place heavy objects on the computer.



Keep Small Objects Away

Do not insert paper clips or other small objects into the computer.



Do Not Disassemble the computer

Do not attempt to disassemble your computer.



Avoid Excessive Force on the LCD

Do not apply excessive downward force on the LCD.

Precautions



Keep SD memory cards and MultiMedia Cards (both sold separately) away from infants and small children.

Accidental swallowing will result in bodily injury.

In the event of accidental swallowing, see a doctor immediately.



Do not cover the computer with a thick cloth, such as a blanket.

Handling

- Do not drop or hit your computer against solid objects.
- Remove all cables before transporting your computer.
- We recommend that the battery be fully charged. We also recommend that the backup battery (a built-in coin type battery) be fully charged.
When transporting spare batteries inside a package, briefcase, etc., we recommend that the batteries be stored in a plastic bag.
- Always carry your computer with you when traveling. Never check it in with luggage. For use of the computer inside an aircraft, we recommend asking the airlines regarding their policy on this issue.
- It is a good idea to make backup copies on SD memory cards/ MultiMedia Cards and carry them with you.

Battery Pack

- Care should be exercised with regard to the following in order to avoid the possibility of over-heating, fire, or damage.



Avoid Heat

Do not throw the battery pack into a fire or expose it to excessive heat.



Keep Articles Away

Do not place the battery pack together with articles such as necklaces or hairpins when carrying or storing.



Do Not Disassemble

Do not insert sharp objects into the battery pack, expose it to bumps or shocks, or deform, disassemble, or modify it.



Do Not Short

Do not short the positive (+) and negative (-) contacts.



Avoid Extreme Heat, Cold and Direct Sunlight

Do not charge, use or leave the battery pack for extended periods where it will be exposed to direct sunlight, in a hot place (in an automobile on a sunny day, for example), or in a cold place.



Do Not Put Into a Microwave

Do not put the battery pack into a microwave oven or a pressurized chamber.



Do Not Use With Any Other Device

The battery pack is rechargeable and was intended for the specified computer. Do not use it with a device other than the one for which it was designed.



Stop Using

Should the battery emit an abnormal odor, become hot to the touch, become discolored, change shape, or become in any way different from normal, remove it from the computer and stop using it.

- If the battery pack will not be used for a long period of time (a month or more), charge or discharge (use) the battery pack until the remaining battery level becomes 30 % to 40 % and store it in a cool, dry place.
- The battery pack is not charged when the computer is first purchased. Be sure to charge it before using it for the first time. When the Fast travel charger is connected to the computer, charging begins automatically.
- If the battery leaks and the fluid get into your eyes, do not rub your eyes. Flush your eyes with clear water and immediately see a doctor for medical treatment.

NOTE

- The battery pack may become warm during recharging or normal use. This is completely normal.
- Recharging will not commence outside of the allowable temperature range (5 °C to 35 °C {41°F to 95°F})*¹. Even if charging stops because the temperature is outside the charging temperature range, the battery indicator will turn off. Once the allowable range requirement is satisfied, charging begins automatically. Note that the recharging time varies based on the usage conditions. (Recharging takes longer than usual when the temperature is 10 °C {50 °F} or below.)
- If the temperature is low, the operating time is shortened. Only use the computer within the allowable temperature range.
- The battery pack is a consumable item. If the amount of time the computer can be run off a particular battery pack becomes dramatically shorter and repeated recharging does not restore its performance, the battery pack should be replaced with a new one.
- When a spare battery pack is to be carried in a pocket or bag, it is recommended that it be placed in a plastic bag so that its contacts are protected.
- Always power off the computer when it is not in use. Leaving the computer on when the Fast travel charger is not connected will exhaust the remaining battery capacity.

*¹These temperature settings are valid when the battery is charging and the computer is off. The temperature range may become narrower when the battery is charging and the computer is operating.

When Using Peripheral Devices

Pay strict attention to the following points to avoid damage to the computer, peripheral devices, cables, etc. Also, in addition to following this manual, carefully read the instruction manuals for the peripheral devices being used.

- Use only peripheral devices that conform to the computer's specifications.
- Connect the devices properly, paying close attention to the condition and position of the connectors.
- If a connection cannot be made easily, do not apply undue force; check once more to confirm the condition and position of the connector (alignment of pins, etc.).
- If the connector has holding screws, fasten the screws firmly.
- Do not carry the computer with cables attached, and do not pull on the cables forcefully.