NEVER LOSE YOUR DATA !
A Multi-functional Back-up Charger for Cell Phone

BACUP™

A Multi-functional Back-up Charger for Cell Phone

Backs up contacts while charging !

Backing up...

8 patents 1st in the world

What will you miss most if you lost your cell phone?
Contacts! Bacup automatically backs up your contacts to the charger while it charges your cell phone.

Who can help you if your phone battery runs low?
Bacup! Bacup is a portable charger that charges itself each time you charge your cell phone.
Extend a charge time without the need to access a power outlet.

Bacup = portable charger + data backup for cell phone

Functions
Automatic Backup Automatically backs up your contacts while charging, one-key data restore, more than 1000 contacts can be stored inside
Portable Charger Portable charger for your phone anywhere anytime
Card Reader SD/MMS card reader and movable disk

Features
Simple Operation Automatically detects the needed function and single-key switch
No Installation No need to install any software on your cell phone or computer
Safety Guarantee Free to unplug and plug in when the backup proceeds. Guard your privacy by setting a code
Online Upgrade Upgrade on *http://www.bacup.cn* to support the latest sets

Supported cell phones

⚠ **Note:** A standard USB data cable is included. If the port on your cell phone is NOT compatible with a mini USB port, a separate supporting USB data cable must be purchased.

http://www.bacup.cn

Manufacture:
Meiri Technologies Co.,Ltd
Made in China

For Your Safety ①

Please read these simple guidelines. Not following them may be dangerous. This users' guide provides detailed information about the safety issues regarding the use of this product.

Proper Usage
Please comply with the product safety instructions for Bacup. It is important that only supported cell phones are connected to Bacup using a matching cable. If Bacup is connected to a non-supported cell phone, or if the wrong data cable is used, the cell phone may restart itself, hang or even be damaged, resulting in the loss of data. Supported cell phone and cable models are listed in Appendix A. Updates and support for Bacup can also be found online at http://www.bacup.cn .

Maintenance Service
Only qualified and authorized service agents may handle the repair of this device. Do not try to disassemble or fix Bacup yourself, as you could damage Bacup and lose saved information.

Waterproof Ability
This product is not waterproof; please use it under dry conditions only.

Operating Environment
This product is a common indoor electronic device and can be damaged under certain conditions, including the following: exposure to direct sunlight for long periods of time, exposure to extremely high/low temperatures, dropping of Bacup or hard impact against heavy items.

External AC power supply
This product supports 100－240 V, 50－60Hz AC power supply only.

Product Connection
Under no circumstances should you connect Bacup to a power outlet and to the computer at the same time. This may cause damage to both Bacup and your computer.
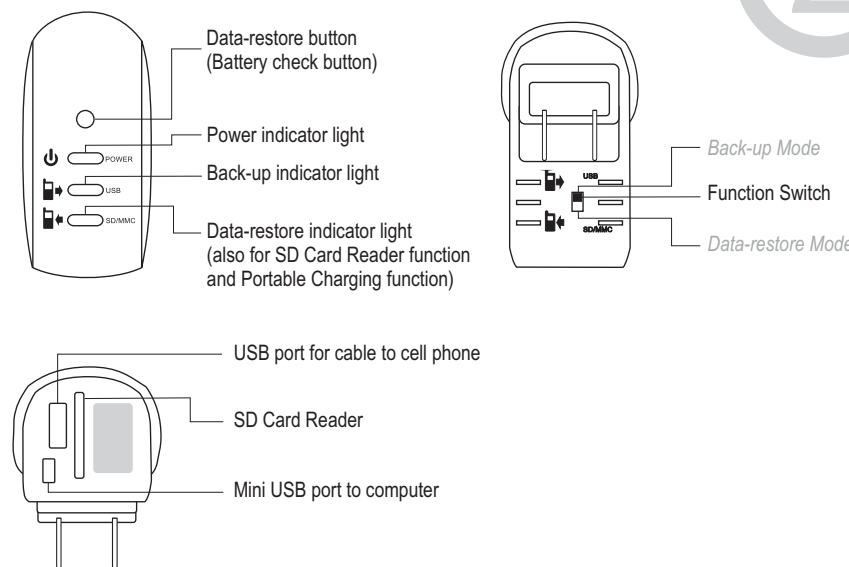
Care for Bacup
When the product is not in use, please disconnect Bacup from the power outlet and cell phone, and place the switch on back-up mode (please refer to Page 6 for the product profile).

Keep away from children
Please store Bacup in an area away from children.

Product Thumbnail ②

Data-restore button (Battery check button)
Power indicator light
Back-up indicator light
Data-restore indicator light (also for SD Card Reader function and Portable Charging function)

Back-up Mode
Function Switch
Data-restore Mode

USB port for cable to cell phone
SD Card Reader
Mini USB port to computer

Highlights

● To back up the data while charging the cell phone, please refer to **Page 3**
● To restore data from Bacup to the cell phone while charging, please refer to **Page 4**
● To use Bacup as a removable disk to edit or copy contacts to PC, please refer to **Page 5**
● To use Bacup as an SD/MMC card reader while connected to PC, please refer to **Page 6**
● To use Bacup as a portable charger for your cell phone, please refer to **Page 6**
● To update Bacup online while connected to PC and the Internet, please refer to **Page 8**

Quick Start !

1.Data Backup
a) Check the switch;   b) Connect the cell phone;   c) Plug into a power outlet;   d) Confirm the indicator light.

(Place the switch to the back-up mode)

After plugging into the power outlet, the red indicator light stays on and the green one blinks.

2.Data Restoration
a) Check the switch;   b) Connect the cell phone;   c) Plug into a power outlet;   d) Press the button (two modes to choose);   e) Confirm the indicator light.

(Place the switch to the data-restore mode)

The red light and the yellow light are on, then both blink slowly, waiting for confirmation.

Two ways of pressing the button for the two data-restore modes:
1) Incremental Restore Mode: Press the button briefly. The red light will cease blinking and stay on, while the yellow light will start blinking.
2) Clear-up Mode: Press the button until the yellow light turns off and turns on again. Release the button and the red light would blink slowly and the yellow light would blink quickly (Note: this process involves clearing up all the data in the cell phone and then write back)

Press the data-restore button

3.Connecting to the PC as a Removable Disk
a) Check the switch;   b) Insert into the PC's USB port.

(Place the switch to the back-up mode)

The red light and the green light are on.

4.Connecting to the PC as a Card Reader
a) Check the switch;   b) Insert SD/MMC card;   c) Insert into the PC's USB port.

(Place the switch to the data-restore mode)

(The red light and the yellow light are on)

5.Working as a Portable Charger
a) Check the switch;   b) Connect to the cell phone;   c) Confirm the indicator light.

(Place the switch to the data-restore mode)

The yellow light blinks slowly

6.Bacup Encryption
a) Add a contact with the name of "ENCODE" and your password as the phone number;
b) Back up your data.

7.Bacup Decryption
a) Add a contact with the name of "DECODE" and your password as the phone number;
b) Back up your data.

8.Online Update
a) Connect Bacup to PC as a removable disk (named "MRTECH"), and double click the file named "SUPPORT" under the root directory to link Bacup to our website;
b) Select the pack of the same model as your phone, download it to the root directory of Bacup;
c) Safely remove Bacup from PC.

Getting Connected to the cell phone ③

While acting as a charger for the cell phone, Bacup has the capability to back up the contacts from the SIM card and the cell phone as well as restore the contacts on the cell phone. Bacup supports specific cell phone models only (please see the list of supported cell phone models in the file with the name of "support.lst" after you connect Bacup to PC as a removable disk). Regular updates on our products and supported new phone models can be found on our website http://www.bacup.cn.

If your phone is one of our supported phone models but Bacup is not working properly, please check that you have the right cable and that it is properly connected.

If your cell phone model is not on our supported list and would recommend that we support it, please contact us; our engineers will do their best to cater to your request. Please be advised that we cannot promise to deliver our service on every phone model because of the limited functionality of some phone models.

Data backup
When Bacup charges your phone, it can automatically back up your contacts from the SIM card and your cell phone to the internal storage of Bacup. Instructions are as follow:

1. Switch the black button of Bacup to the back-up mode
2. Connect one end of the cable to the USB port and the other end of the cable to the cell phone

3. Plug Bacup into the power outlet. Now, the power indicator should light up in red and the back-up process indicator in green. Wait several seconds until the green light blinks, indicating that the data channel between Bacup and your cell phone has been established. Bacup is now backing up your data and charging the cell phone.

4. After the backup is completed, the back-up indicator will stay lighted and stop blinking. Bacup will then continue to charge the cell phone.

⚠ **Note:**
a) The speed of data backup is related to the data transfer rate of the cell phone, and the length of the contact list on your cell phone and SIM card. Hence, different cell phones can take different lengths of time to complete the back-up. Usually, under normal conditions, the process takes a few minutes.
b) Bacup can only back up data when the phone is turned on.
c) If the green light does not flash at all, please refer to our FAQ section.
d) If you need to use the phone and wish to disconnect the phone, you may do so at any time. Bacup will continue the back-up when you next plug in the phone.
e) The storage capacity of Bacup is limited (see data capacity in Features and Specifications). Hence, while you can use Bacup as a removable disk, please always ensure sufficient space for data back-up.

Data Restoration ④

To maximize the protection of our users' data, we have 2 modes for you on how you may wish to restore your data to the cell phone: **1) the incremental restore mode** and **2) the clear-up mode**
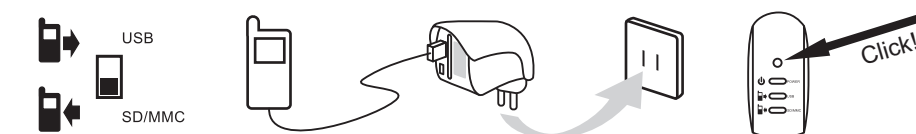
1) **Incremental restore mode** will compare your contacts in your cell phone with the one on Bacup. Contacts in Bacup that do not exist in your phone will be added to the phone. Incremental mode is relatively safe because it only adds data to the phone and does not erase any data. The process takes longer time.

2) **Clear-up mode** will erase all your contacts in the cell phone and then copy the contacts in Bacup to your cell phone.

⚠ **Note:**
The deletion of all the information on your cell phone in the clear-up mode is irreversible. Please use this function with caution.

1. Incremental Restore Mode
1.Switch the function switch to data-restore mode.
2.Plug one end of the cable to the USB main port and connect the other end to your cell phone.

Click!

3.The power indicator will light up in red and the data-restore indicator in yellow. Wait for several seconds until the red and the yellow lights both blink slowly to indicate that Bacup is ready to accept the user's confirmation.

4.Press the button briefly. The red light will cease blinking and stay on, while the yellow light will start blinking to indicate that the data restore process is underway between Bacup and the cell phone while charging.

5.The yellow light will stop blinking and stay on when the restore process is completed. Bacup will continue to charge the phone.
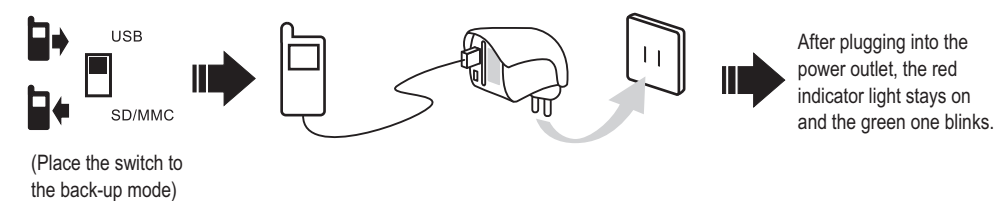
⚠ **Note:**
a) Incremental data restore can only occur when the cell phone is turned on.
b) If the yellow light does not blink or flash at all, please refer to the our FAQ Section.
c) If you need to use the phone and wish to disconnect Bacup from your cell phone, you may do so at any time. However, after use, you have to follow the above steps to restart the back-up process.
d) Please ensure that there is enough space in your cell phone before you start the restoration process. That's because some cell phones have limited contact storage capacity, which will make it impossible to add new contact to your cell phone if there is not enough space for it.
e) When disconnecting Bacup from your cell phone and/or the power outlet, please remember to put the function switch back on the back-up mode. Because the portable charging function shares the same switch as the data-restore function, leaving the switch on the data-restore mode will eventually deplete the battery completely over time.
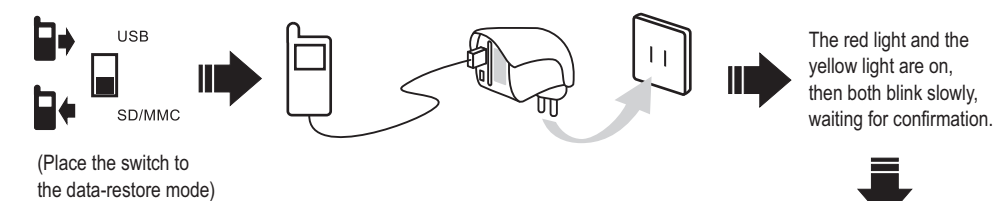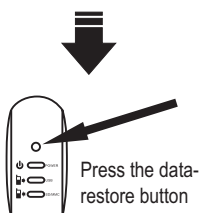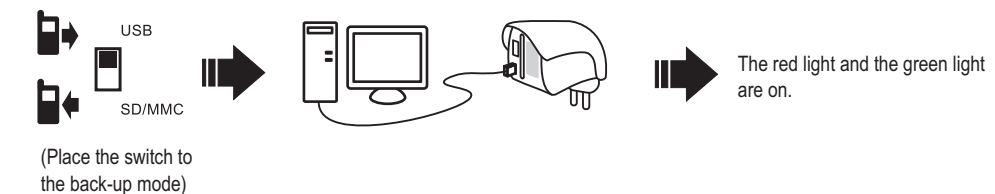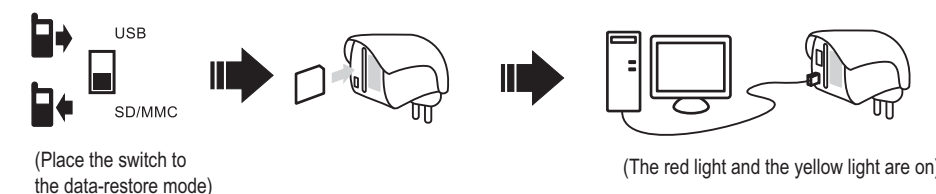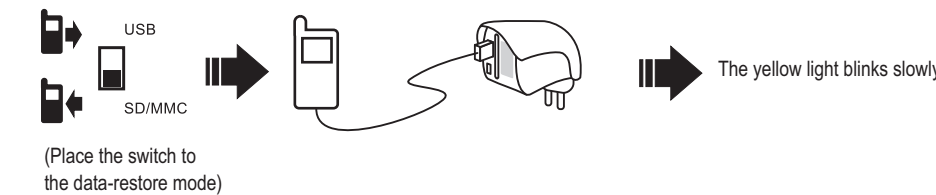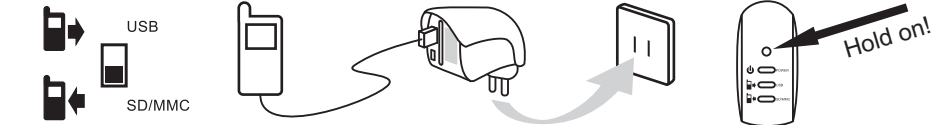
2. Clear-up Mode

1.Switch Bacup to the data-restore mode.

2.Connect one end of the cable to the main USB port and the other end to your cell phone.

Hold on!

3.The power indicator will light up in red and the data-restore indicator in yellow. Wait for several seconds until the red and the yellow lights both blink slowly to indicate that Bacup is ready to accept the user's confirmation.

4.Press the data-restore button until the yellow light turns off and comes back on again (this process takes about 5 seconds in order to minimize the risk of accidental permanent deletion of data). Release the data restore button and the red light will blink slowly and the yellow light quickly. Bacup and the cell phone have now established connection, and the clear-up data restoration process is underway.

5.After the clear-up data restoration process is completed, the yellow light and the red light will remain on and Bacup will continue to charge the cell phone.
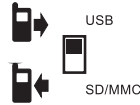
⚠ Note:

a) Clear–up data restoration can only take place when the cell phone is on.

b) If the yellow light is always on, please refer to our FAQ section.

c) Please avoid disconnecting the cell phone in the midst of the clear-up data restoration process. If you have to disconnect the phone, please repeat the above steps to re-start the data restoration process ASAP to avoid having an incomplete contact list on your cell phone.

d) Please ensure that there is enough space in your cell phone before you start the restoration process. That's because some cell phones have limited contact storage capacity, which will make it impossible to add new contact to your cell phone if there is not enough space for it.

e) When Bacup is disconnected, please ensure that the switch is on back-up mode. Because the portable charging function shares the same switch with the data-restore function, leaving the switch on the data restore mode will eventually deplete the battery completely over time.

Getting Connected to the computer

Editing the contacts

1. Put the function switch of Bacup on the back-up mode

2. Plug one end of the USB cable into the mini USB port of Bacup, and the other into the USB port of your PC (It is advised that you use the USB cable attached in the package). Bacup will be recognized on the PC as a removable disk named "MRTECH". The red light and the green light will turn on.

3. Under the root directory of the removable disk, there is a folder called "MRTECH". The folder holds 2 documents listed as "SIM.MR" and "PHONE.MR". These documents record the contact information from the SIM card and the phone separately. You can visit http://www.bacup.cn to download the software to edit the contacts in these files.

⚠ Note:

a) When Bacup is used to charge your cell phone while plugged to the power outlet, after your phone is completely charged, you can continue to charge the rechargeable battery of Bacup by leaving it plugged into the power outlet and removing the USB port from the cell phone. You can unplug Bacup from the power when it is fully charged.

b) When the rechargeable battery of Bacup is completely depleted, please ensure that you charge Bacup until the battery is full, which will extend the lifespan of the battery. The re-charging should take 1~2 hours.

Advanced User Guide

When Bacup is connected to power, it will automatically back up your cell phone data. Bacup has the capability to store or restore data from/to different phones. This allows you to synchronize, edit and restore your data if you need to replace your cell phone or transfer the data to a new cell phone.

⚠ Note: Bacup is capable of backing up and restoring data from/to other users' cell phones. This might compromise the privacy and security of your data. In order to protect your privacy and your contacts, you may wish to use the advanced data encryption function.

If Bacup is for your own personal use, you may wish to encrypt the data in your Bacup. After you set the password, Bacup can only back up and restore data from/to the cell phone which has the right password as the phone number of the "ENCODE" contact. The encryption also applies to the removable disk function. The folder can only be opened in the PC when the correct password is entered.

Encrypting over phone

The data in your device can only be encrypted with a cell phone. To do so, you can add a new contact with the name "ENCODE" and set your password in the "phone number" field of the contact. You can only use numbers for your password. Then start the data back-up. Instructions on how to back up are explained on Page 3. The encryption process takes place simultaneously with the data back-up process.

When you next attempt to restore the encrypted data, Bacup will search for the contact "ENCODE" in your cell phone and check the "phone number" field to verify your password. If the password is correct, Bacup will begin the back-up or data-restore process. Otherwise, Bacup will only act as a charger to the cell phone. This thus protects your information from being mis-used by others if Bacup is subsequently stolen or misplaced.

Decrypting over phone

The password can be decrypted using your cell phone. First, change the contact name of "ENCODE" into "DECODE". Second, process the back-up. Then you will have your Bacup successfully decrypted.
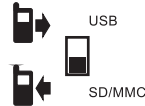
Next time that you want to encrypt your Bacup, you can achieve that using your cell phone. First, change the contact name of "DECODE" into "ENCODE", and enter the new password as the phone number. Then process the back-up.

SD card reader

1. Switch the function key to the data-restore mode.

2. Insert the SD card or MMC card into Bacup, and connect it to your PC. The red light and the yellow light will turn on. Bacup is recognized as a standard USB 2.0 version SD/MMC card reader.

⚠ Note:

When Bacup is unplugged, please ensure that the switch is on back-up mode. Because the portable charging function shares the same switch with the data-restore function, leaving the switch on the data-restore mode will eventually deplete the battery completely over time.

Charging function of Bacup

Bacup can charge any cell phone or any other device that supports USB port charging. However, please note that methods of charging varies for different devices. For example, some devices may need to be turned on for charging to occur.

Bacup will charge the cell phone when you back up or restore data from/to your cell phone.

⚠ Note:

When the charging is completed, please disconnect Bacup to extend the lifespan of the Li-ion battery for your Bacup's portable charging function.

Using Bacup as a Portable Charger

There is an 800mAh rechargeable Li-ion battery inside Bacup, which is able to charge a cell phone when there is no power connection. Bacup battery will charge itself when it is connected to power. It works well as an emergency power source for not only your cell phone but also any device with a USB port. You only need to connect to Bacup and put the switch to the data restore mode. Please note that some USB-supported devices may need to be turned on in order for charging to occur. After charging is complete, please put the switch back to the back-up mode to prevent unnecessary further discharge of power.

When Bacup is charging the cell phone as a portable power source, you can check the existing level of power it has by pressing the battery check button and observe the status of the 3 LED lights on Bacup

a) Red, green and yellow lights all on means that the battery is full.

b) Red and green lights both on means the battery is approximately 2/3 full.

c) Red light on means the battery is 1/3 full.

d) No lights up means the battery is completely depleted and must be recharged.

After the removal of the encryption password, Bacup will connect to the phone automatically (only the phones that support Bacup as listed in Appendix A) to perform the back-up or data restore function. After the encryption password has been disabled, if you subsequently wish to encrypt your data again, just follow the encryption steps to encrypt Bacup again. If you wish to change the password, you have to disable the encryption password first before re-setting the new password.

Editing encrypted data

When the data on Bacup is encrypted, you can only open the folder on the PC as a after entering the password. When you connect Bacup to your PC, double click the file named "DECODE" there will be a pop-up window requesting the password. You can only access the data if you enter the correct password. Then you can edit your contacts on your PC.

⚠ Note:

a) An encrypted Bacup will not damage your hard disk.

b) If you disconnected Bacup while editing, you need to connect Bacup again and re-enter your password in order to continue on the edits.

c) The encryption and decryption can only be done through a cell phone and you cannot delete the password when Bacup is accessed via the PC as a removable disk.

d) The encryption of Bacup has no effect on the card reader function.

Online update

Bacup supports several cell phone models. Please find the list of all supported cell phone models in Appendix A or online at http://www.bacup.cn. The supported list can also be found in the hard disk of Bacup when you access it as a removable disk via your PC. The supported list cannot be edited or deleted. As new phone models are released in the market, we will try to update Bacup software to support these models and update our supported phones list accordingly. If you have a cell phone newly added to our supported phones list, you can perform an online update of Bacup as follows:

1. Connect Bacup to PC as a removable disk (named "MRTECH"), and double click the file named "SUPPORT" under the root directory to link Bacup to our website;

2. Select the pack of the same model as your phone, download it to the root directory of Bacup;

3. Safely remove Bacup from PC.

If the update is successful, the file in Bacup that holds the list of supported cell phone models will have included your cell phone model.

⚠ Note:

a) It's the only way to update your Bacup that you connect it to Internet and download the new pack from our website. Any other way, such as copying the pack from other Bacup will fail to update. That's because new supporting packs can only generate according to your Bacup's S/N code. And one Bacup can only update with its own pack.

b) Possibilities are that the supporting softwares for old cell phone models can be eliminated as you download packs for the new models, because of the limited storage capacity of Bacup.

c) If you cannot find your cell phone model on the list and want to have it supported, please contact us. We are happy to evaluate your request, but would highlight that there are chances that we would fail to meet some of the requests received due to the overwhelming range of cell phone models in the market.

Frequently Asked Questions

Back up and data restore

Ask : Why can't I back up (restore) data after I connect Bacup to the cell phone?

Answer :

1) Please check if your cell phone is on our supported cell phone list

2) If your phone is on the list, please check to make sure your cable is connected properly.

3) Please check that you are not using your cell phone as a Flash disk or webcam con-nected to the PC. Data back-up cannot take place under these modes.

4) If all the 3 lights are on, please check that Bacup is not encrypted and that your cell phone does not require a password for access to the data.

Connections to the PC

Ask : Why doesn't the PC inform me about a new hardware connection after I connect Bacup to the PC?

Answer : Please check that Bacup is properly connected to the PC and that the USB port of the PC is working properly. If the red light is on, it means that Bacup is getting ready for power supply via the USB port, please wait patiently.

Ask : Why can't I find the supported phone list or the contacts file in the hard disk of Bacup?

Answer :

1) Please make sure that Bacup is in the removable disk mode rather than the card reader mode. (The name of the folder is "MRTECH" when Bacup is used as a removable disk).

2) Please make sure that Bacup is not under encryption mode. You will need to enter a code in order for Bacup to function. Please see the guide under the section on advanced functions.

Ask : Why can't I open the folder when my Bacup is working as a card reader?

Answer : Please check that your SD or MMC card has been properly inserted in Bacup.

Maintenance

Bacup is a product that embodies superior design and precise manufacture, so please handle it with care. Listed below are some tips for you to keep Bacup in good condition for use and for effective warranty.

● Keep it dry, as any moisture or liquid could corrode the internal circuits.

● Do not use Bacup in a dusty or filthy area, as there could be damage to the detachable parts of Bacup.

● Do not store it under high temperatures, because it will damage the battery, deform plastic components in Bacup and shorten its useful lifespan.

● Do not store Bacup under extremely cold temperatures. Moisture in the air will condense when temperatures rise and this could destroy the circuit.

● Do not throw, knock or shake Bacup. Rough mis-handling of Bacup or hard impacts will damage the internal circuits and fine structure.

● Do not clean Bacup with any strong chemicals or liquids. When necessary, please use a dry cloth to clean instead.

● Do not paint Bacup. Dried paint debris may get stuck between detachable components of Bacup and result in malfunction.

Specifications

Size :	850 × 400 × 550 (mm)
Weight :	80g
Input Voltage :	100–240V, 50–60Hz
Output voltage :	5V
Inner battery volume :	800mAh

Technical Support

Website: http:// www.bacup.cn   E-mail: support@mrtech.cn

Charger

Ask : Why doesn't my Bacup charge the phone while it is in back-up or data-restore mode？

Answer : Please make sure that you are charging through the USB port and that the cable is used correctly.

Ask : Why doesn't my cell phone inform me that my cell phone is fully charged when I charge it with Bacup?

Answer : Some phones have an embedded chip to manage the USB charging process. When the phone battery is nearly full, the chip will minimize current inflow or automatically stop the charging process.

Ask : When my phone is completely out of battery, why can't I turn it on after connecting it to the charged Bacup?

Answer : When the phone is out of battery, some time is required for Bacup to charge the phone battery in order to have the phone turned on. Please wait patiently for a few minutes, especially when Bacup is used as a portable power source. Wait until the yellow light on Bacup flashes before attempting to turn on the phone.

Battery Information

The battery inside Bacup is a rechargeable battery and can be used to charge several hundred of times. Like any other rechargeable battery, there is a limited useful lifespan. If you have not been using Bacup for a long time, you might need to re-activate the battery by connecting Bacup to a power source.

When Bacup is not in use, make sure it is not connected to the cell phone or other devices and shut down the power. Over-charging of Bacup can reduce the useful lifespan of the battery. If Bacup is left unused for a long time after it has been charged to full, it will not stay fully charged, but will lose its power gradually. Bacup will then need to be recharged if it is fully depleted.

Avoid shorting the USB port of Bacup. If any metallic items, such as coins, pins or pens, connect to the "＋" and "－" terminals of the USB port, it will cause damage to the battery and the connected item.

If Bacup is placed in extremely hot or cold conditions over long periods of time, like in a car left unused in the open in the hot summer or cold winter, the battery could be permanently impaired or damaged. It is advised that Bacup is kept in temperatures between 15°C to 25°C (59°F to 77°F). The battery will be limited in capacity at temperatures below freezing point. Do not place Bacup near fire or exposed to high temperatures, as it may explode.

FCC note:

(a) 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.

(b) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.

(c) 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.