



WiFi PDA



DT4100

Quick Start Guide

Contents

| | |
|--|-----------|
| Copyright | 2 |
| Disclaimer | 2 |
| Regulatory Information | 2 |
| Safety Information | 4 |
| Getting Started | 5 |
| Device Overview | 5 |
| Installing and Removing the Battery..... | 7 |
| Battery Charging | 8 |
| LED Status Description | 10 |
| Powering the Device On and Off..... | 11 |
| Suspending the Device | 11 |
| Using the Device | 12 |
| Viewing System Information..... | 12 |
| Using Wi-Fi..... | 12 |
| Using Bluetooth | 12 |
| Using NFC..... | 13 |
| Adjusting Date & Time..... | 13 |
| Adjusting Volume..... | 13 |
| Adjusting Display Settings..... | 13 |
| Defining Keys | 14 |
| Changing Battery Charging Policy | 14 |
| Changing Language | 15 |
| Performing System Backup..... | 15 |
| Performing System Restore | 15 |
| Resetting the Device | 16 |

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Regulatory Information

CE Statement

This device has been tested and found to comply with the following EU Directives:

- R&TTE Directive (1999/5/EC)
- EMC Directive (2004/108/EC)
- Low Voltage Directive (2006/95/EC)

CE 0700 Ⓢ

Radiation Exposure Statement

This device is designed, tested, and manufactured to comply with the limits for exposure to RF energy set by international regulatory agencies. “Specific Absorption Rate,” or SAR, refers to the rate at which the body absorbs RF energy. The SAR limits for Wi-Fi and Bluetooth are 1.6 watts per kilogram (W/kg) for the FCC, and 2.0 W/kg for the Council of the European Union. This device has been tested, and meets the FCC and European Union RF exposure guidelines for Wi-Fi and Bluetooth operation.

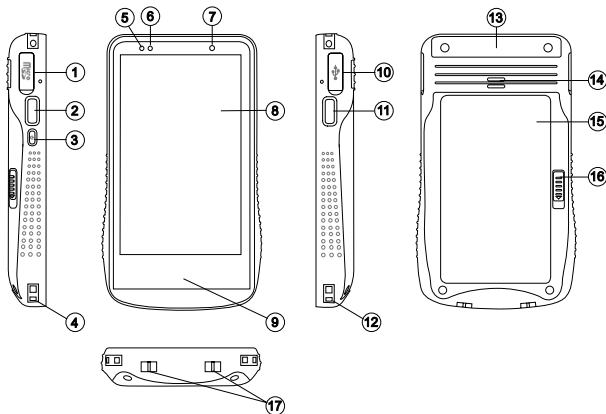
Safety Information

Please read the following information carefully before using the device for the first time, and keep this Quick Start Guide in a safe place for future reference.

- Always treat the device with care and keep it in a clean and dust-free environment.
- Do not expose the device to extremely hot, cold or humid environment. The operation temperature is from -10°C to 50°C .
- Do not use the device in wet or rainy conditions.
- Do not charge the device in extremely hot (over 38°C) or cold conditions (below 0°C).
- Do not attempt to disassemble or modify the device including the charger.
- Do not operate the device when your hands are wet.
- Do not insert foreign objects into the openings of the device.
- Use only the charger and battery approved for the device.
- Install the cradle on a flat and stable surface.
- Do not cascade over 3 cradles in series.
- Do not use the charger if the power cord or plug is damaged.
- Do not disassemble, crush or puncture the battery.
- Do not expose the battery to high temperatures.
- Do not let battery terminals touch other metal objects that could lead to short-circuit of the battery.
- Do not dispose of the battery in fire or water.
- Dispose of used battery properly according to local laws and regulations.

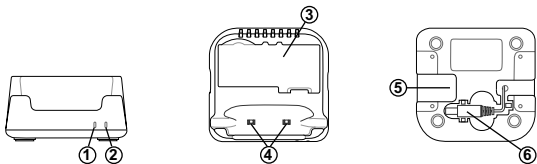
Getting Started

Device Overview



| No. | Item | Description |
|--------|--------------------|---|
| 1 | MicroSD card cover | Open the cover to access the MicroSD card slot |
| 2 | Left side key | Configurable shortcut key. Default as Menu key |
| 3 | Power key | Press and hold to turn the device on or off. If the device is on, press to suspend. |
| 4 / 12 | Strap eyelet | Attach the anti-drop string |
| 5 | Configurable LED | Software configurable LED |
| 6 | Device LED | Power and Wi-Fi connection status indicator |
| 7 | Light sensor | Auto screen brightness control |

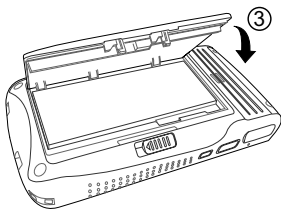
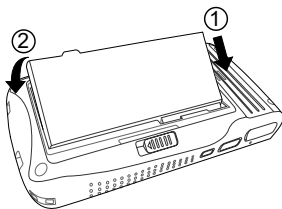
| | | |
|----|----------------------|--|
| 8 | Touch screen | LCD with capacitive touch screen |
| 9 | NFC reader | Scanning area for NFC tags |
| 10 | USB cover | Open the cover to access the USB connector |
| 11 | Right side key | Configurable shortcut key. Default as Back key |
| 13 | Expansion slot cover | Remove cover for the add-on module connection |
| 14 | Speaker | Mono speaker |
| 15 | Battery cover | Remove the battery cover to access the battery |
| 16 | Battery cover lock | Slide down to release the battery cover |
| 17 | Charging plates | Contact plates for charging in the cradle |



| No. | Item | Description |
|-----|-------------------------|---|
| 1 | Spare battery LED | Spare battery charging status indicator |
| 2 | Power LED | Cradle power connection indicator |
| 3 | Battery slot | To charge spare battery |
| 4 | Charging contact plates | To charge the device |
| 5 | DC jack | Connect AC/DC Adaptor or DC power cable |
| 6 | DC power cable | Power cable for cascading cradles |

Installing the Battery

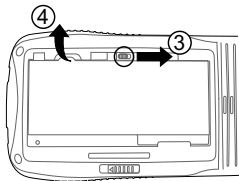
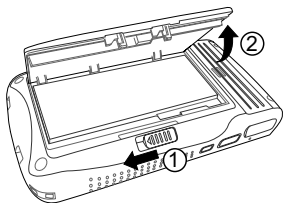
1. Align the battery metal contacts with the contact pins inside the battery compartment.
2. Press the battery down until the battery lock clicks into place.
3. Align the battery cover with the battery compartment; and push the battery cover down until it is locked.



Removing the Battery

Note: Always power off the device before removing the battery.

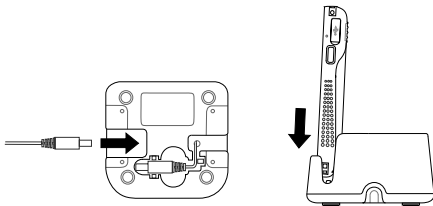
1. Slide the battery cover lock down until the battery cover ejects slightly.
2. Remove the battery cover.
3. Slide the battery lock to the right and hold it at the unlocked position.
4. Lift the battery from the battery compartment.



Battery Charging

Charging the Device

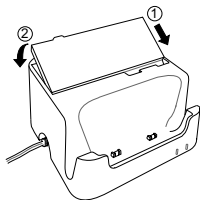
1. Connect the AC/DC adaptor to the DC jack of the cradle.
2. Plug the AC/DC adaptor into a suitable power socket. The cradle power LED will turn green when power is supplied to the cradle.
3. Insert the device to the cradle slot. The device LED will flash amber while charging, then it will turn green when fully charged.



Note: Alternately, use the approved travel adaptor to charge the device via the USB connector.

Charging the Spare Battery

1. Align the battery metal contacts with the contact plates of the battery slot.
2. Press the battery down to fit into the battery slot. The cradle battery LED will turn red while charging, then it will turn green when fully charged.

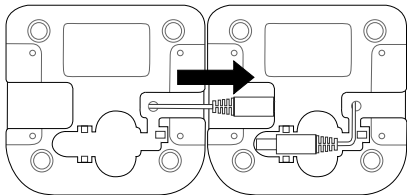


Cascading the DT4000 Cradles

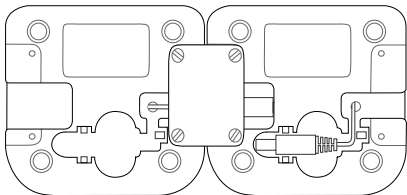
DT4000 cradles can be cascaded in series to charge devices and batteries simultaneously with one AC/DC adaptor. Each adaptor supports maximum 3 cascaded cradles.

Important: Do not cascade over 3 cradles in series.

1. Disconnect AC/DC adaptor, and turn over 2 cradles.
2. Connect the DC Power Cable of one cradle to the DC power connector of the other cradle.



3. Apply the metal plate accessory to the recess area as illustrated, and fasten the metal plate screws with a coin or screwdriver.



4. Re-connect the AC/DC Adaptor to the cradle.

LED Status Description

Device LED

| LED colour | Description |
|-----------------------|----------------------|
| Red | Battery very low |
| Flashing red | Battery low |
| Flashing amber | Charging |
| Green | Fully charged |
| Flashing blue quickly | Wi-Fi searching |
| Flashing blue slowly | Wi-Fi connected |
| Off | Wi-Fi disconnected |
| Aqua blue | Powering on |
| Flashing green | Battery door is open |

Cradle Power LED

| LED colour | Description |
|------------|-----------------------|
| Green | Cradle is powered on |
| Off | Cradle is powered off |

Cradle Battery LED

| LED colour | Description |
|------------|--------------------------------|
| Red | Spare battery is charging |
| Green | Spare battery is fully charged |
| Off | Battery slot is empty |

Powering the Device On and Off

Powering on the Device

Press and hold the Power key for 3 seconds until the LED indicates aqua blue.

Note: The device can only power on when the battery cover is closed.

Powering off the Device

Press and hold the Power key for 3 seconds, and follow the screen instructions to power off the device.

Suspending the Device


If the device is on, press the Power key once or close the flip cover to suspend the device (i.e. entering sleep mode), saving battery power.

To resume operation from sleep mode, press the Power key once or open the flip cover.

Note: The device will always maintain the WLAN connection even after entering the sleep mode.

Using the Device

Viewing System Information


1. Select **Application drawer**  > **Settings** > **About device**.
2. Scroll to view model number, Android version, build number, etc.
3. Select **Status** to view serial number, battery status, IP info., etc.

Using Wi-Fi

Connecting to a Wi-Fi Network

1. Select **Application drawer** > **Settings** > **Wi-Fi**.
2. Slide the Wi-Fi On/Off switch to the ON position.
3. Click **Wi-Fi**, and select a network.
4. Input the network key when prompted.
5. Select **Lock Single Network** to lock the device to the network.
6. Select **Show advanced options** to assign static IP/proxy settings.
7. Click **Connect**.

Configuring Wi-Fi Radio Parameters

1. Select **Application drawer** > **Settings** > **Wi-Fi**.
2. Select **Wi-Fi** > **Options**  > **Advanced** > **Radio parameters**.
3. Click **Country** to select the operating country.
4. Click **Frequency band** to select a frequency band option.
5. Click **Channel** to select a Wi-Fi channel option.

Using Bluetooth

To connect to a Bluetooth device:

1. Select **Application drawer** > **Settings** > **Bluetooth**.
2. Slide the Bluetooth On/Off switch to the ON position. Ensure the device to be paired is set to discovery mode within range.

3. Click **Bluetooth**, and select a device under **AVAILABLE DEVICES**. Click **SEARCH FOR DEVICES** if it does not appear in the list.
4. Input PIN, and then click **OK** to pair.
5. Once paired, the device is displayed under **PAIRED DEVICES**.

Using NFC

1. Select **Application drawer > Settings > More**.
2. Select the **NFC** checkbox to turn on NFC.

Note: The reading range is approx. 2mm from the NFC scanning area.

Adjusting Date & Time

To set up the date and time manually:

1. Select **Application drawer > Settings > Date & time**.
2. Uncheck the **Automatic date & time** checkbox.
3. Adjust **Set date, Select time zone, Set time, Use 24-hour format, Choose date format** accordingly.

Adjusting Volume

1. Select **Application drawer > Settings > Sound > Volumes**
2. Drag the slide bar to adjust the volume.

Adjusting Display Settings

Adjusting Brightness

1. Select **Application drawer > Settings > Display > Brightness**.
2. Drag the slide bar to adjust the backlight, or select **AUTO** for auto brightness adjustment.

Changing Wallpaper

1. Select **Application drawer > Settings > Display > Wallpaper**.

2. Select **UHD Player**.
3. Browse to a picture, and then click **SET WALLPAPER**.

Adjusting Screen timeout & Screen dim timeout

1. Select **Application drawer > Settings > Display**
2. Adjust the timeout period for the following options:
 - Sleep:** Adjust the idle period before the device enters sleep mode.
 - Sleep in charging:** Adjust the idle period before the device enters sleep mode while charging.
 - Screen dim timeout:** Adjust the screen dim period before the screen turns off.

Adjusting Flip Cover Setting

By default, the screen is turned off when closing the flip cover. To change the setting, select **Application drawer > Settings > Display > Flip cover**.

Hiding System Bars

To hide the status bar and navigation bar:

1. Select **Application drawer > Settings > Display > System bars**.
2. Select the required options for Admin and User mode display.

Defining Keys

The Left side key and Right side key are set as Menu key and Back key by default. To change the key definition:

1. Select **Application drawer > Settings > Key**.
2. In Left side key and Right side key menu, select **Function select** to change the key definition.

Changing Battery Charging Policy

By default, smart charging mechanism is enabled to charge the battery only when the battery level is lower than 80%. To adjust the charging trigger level:

1. Select **Application drawer > Settings > Battery**.

2. Select **Smart charging > Smart charging settings**.
3. Drag the slide bar to adjust the charging trigger level, and then click **OK**.

Changing Language

1. Select **Application drawer > Settings > Language & input > Language**.
2. Select a language.

Performing System Backup

To perform system backup:

1. Select **Application drawer > System Backup**.
2. Select the **Backup** button.
3. **Backup path** is the backup image name. Edit the path if needed.
4. Select **Internal storage** or **SD card** for the **Backup Location**.
5. Select a backup data option from **Backup selection**:
OS: Backup OS only.
DATA: Backup installed applications, settings, and data.
OS+DATA: Backup OS, installed applications, settings, and data.
6. To restore the backup image only on the current device, check the **Need to match serial no.** checkbox.
7. Click **Start**, and then click **OK** when prompted.
8. The device reboots automatically upon completing the backup.

Note:

- Close all active programs before performing backup or restore.
- The device saves the backup image in the folder named **backup**.

Performing System Restore

To restore the system from a backup image:

1. Select **Application drawer > System Backup**.

2. Select the **Restore** button.
3. Select the backup image location from **Backup location**.
4. Select the backup image file from the **Restore content** menu.
5. Click **Start**, and then click **OK** when prompted.
6. The device reboots automatically upon completing the restore.

Note:

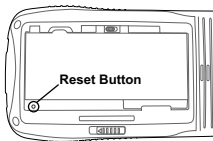
- The backup image folder must be placed in the **backup** folder.
- When backing up only the data, the image should be restored on the same firmware version. Restoring on a different firmware version might create instability or corruption.

Resetting the Device

Soft Reset

Soft reset shuts down and reboots the device. It preserves installed applications, settings, and saved data. To perform a soft reset:

1. Remove the battery cover.
2. Press the reset button once.
3. Close the battery cover, and power on the device.



Clean Reset

Clean reset restores the system to factory default by erasing all installed applications, settings and data. To perform a clean reset:

1. Select **Application drawer > Settings > Backup & reset > Factory data reset**.
2. Check the **Erase SD card** checkbox to clear internal SD card contents if needed.
3. Click **Reset device > Erase everything**.

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<http://www.gsml.com.hk>

Due to the used enclosure material, the product shall only be connected to a USB Interface of version 2.0 or higher. The connection to so called power USB is prohibited. The adapter shall be installed near the equipment and shall be easily accessible.

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

FCC statements:

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of $d=10$ mm between the device and the human body. To maintain compliance with RF exposure requirement, use product that maintain a 10mm distance between the device and human body.