

DS500 User Manual

(Version 1.0)



Contents

Contents.....	2
Important safety precautions.....	3
Special features of your phone	13
Get started.....	16
Entertext.....	22
Overview of menu functions.....	23
Phone Book (Menu 1).....	26
Message Center (Menu 2).....	27
Call History (Menu 3).....	31
Music (Menu 4).....	33
Camera (Menu 5).....	34
FM Radio (Menu 6).....	37
Organizer (Menu 7).....	37
Services (Menu 8).....	38
Entertainment (Menu 9).....	40
Settings (Menu 10).....	41
Bluetooth (Menu 11).....	49
File Manager (Menu 12).....	52



Important safety precautions

This section contains important information on the safe and efficient operation of your mobile device.

For your safety, please refer to the guideline prior to using the phone.

Note: Failure to comply with the following precautions may be dangerous or illegal.

Drive safely at all times

Do not use a hand-held phone while driving. Park the vehicle first.

Switch off the phone when refueling

Do not use the phone at a refueling point (service station) or near fuels or chemicals.

Switch off in an aircraft

Wireless phones can cause interference. Using them in an aircraft is both illegal and dangerous.

Switch off the phone near all medical equipment

Hospitals or health care facilities may be using equipment that could be sensitive to external radio frequency energy. Follow any regulations or rules in force.

Interference

All wireless phones may be subject to interference, which could

affect their performance.

Be aware of special regulations

Meet any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

Water resistance

Your phone is not water-resistant. Keep it dry.

Sensible use

Use only in the normal position (held to the ear). Avoid unnecessary contact with the antenna when the phone is switched on.

Keep your phone away from small children

Keep the phone and all its parts, including accessories, out of the reach of small children.

Accessories and batteries

Use only approved batteries and accessories, such as headsets and PC data cables. Use of any unauthorized accessories could damage you and your phone and may be dangerous.

If jewelry, keys, beaded chains, or other conductive materials touch exposed battery terminals, this could complete an electrical circuit (short circuit), become very hot, and could cause damage or injury. Be careful when handling a charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

- Never use a charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power. Talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the

network operator.

- Battery charging time depends on the remaining battery charge, the type of battery, and the charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only approved batteries, and recharges your battery only approved chargers. Disconnect the charger from the power source when it is not in use. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places because the capacity and lifetime of the battery will be reduced. Try to keep the battery at room temperature. A phone with a hot or cold battery may not work temporarily, even when the battery is fully charged.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object like a coin, clip or pen causes a direct connection between the + and – terminals of the battery (metal strips on the battery). For example, do not carry a spare battery in a pocket or bag where the battery may contact metal objects. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations.

Always recycle. Do not dispose of batteries in a fire.

Operating Environment

Remember to follow any special regulations in force in the area you are in, and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Extreme heat or cold ; Avoid temperatures below -10°C/14°F or above 45°C/113°F

Electronic devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research. If you have any reason to suspect that interference is taking place,

switch you're your phone immediately.

Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Radio frequency (RF) exposure and SAR

This phone meets European Union (EU) requirements concerning exposure to radio waves. Your mobile phone is a radio transmitter and receiver. It is designed and manufactured to not exceed the limits for exposure to radiofrequency (RF) energy, as recommended by the EU Council. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organizations through the periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to ensure the safety of all persons, regardless of age and health. The exposure standard for mobile phones employs a unit of measurement known as Specific Absorption Rate (SAR).

Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body when using a mobile phone. The SAR value is determined at the highest certified power level in laboratory conditions, but the actual SAR level of the mobile phone while it is operating can be well below this value. This is because the mobile phone is designed to use the minimum power required to reach the network. Variations in SAR below the radio frequency exposure guidelines do not mean that there are variations in safety. While there may be differences in SAR

levels among mobile phones, all mobile phone models are designed to meet radio frequency exposure guidelines. Before a phone model is available for sale to the public, it must be tested and certified by the Federal Communications Commission (FCC) that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (that is, at the ear and worn on the body) as required by the FCC for each model. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when the handset is positioned a minimum of 15 mm from the body without any metal parts in the vicinity of the phone or when used with the original accessory intended for this phone and worn on the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The SAR limit recommended by the EU Council is 2.0W/kg^A

The highest SAR value for this model phone was 0.485W/Kg for 900MHz and 0.329W/Kg for 1800MHz .

SAR tests are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands.

A. The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR values may vary, depending on national reporting requirements and the network band.

SIM AT Service

SIM Card provides several value-added services.

These functions will only display and work on the menu of the phone when your SIM card is supported. The content and the terms of the function lists will depend on your network service provider.

Please contact your network service provider (a network operator or the service provider) in regards with availability of any services related to the SIM card, application information and the costs.

Other medical devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when regulations posted in these areas instruct you to do so.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted facilities

Switch off your phone in any facility where posted notices require you to do so.

Potentially explosive environments

Switch off your phone when in any area with a potentially explosive atmosphere, and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or

even death.

Users are advised to switch off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often but not always clearly marked. They include the areas below decks on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas, such as propane or butane, areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency calls

This phone, like any wireless phone, operates using radio signals, wireless, and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications like medical emergencies. To make or receive calls, the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. Key in the emergency number for your present location.

Emergency numbers may vary by location.

2. Press the Send Key.
3. Inform your location. Do not end the call until given permission to do so.

Certain features like Call Barring may need to be deactivated before you can make an emergency call. Consult this document and your local cellular service provider.

Other important safety information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the phone, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. Improperly installed wireless equipment could result in serious injury if the air bag inflates.
- Switch off your phone before boarding an aircraft. It is dangerous and illegal to use wireless phones in an aircraft because they can interfere with the operation of the aircraft.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Qualified service

Only qualified service personnel may repair your phone.

It is highly recommended to have a repair service by qualified service personnel. Use only the approved accessories and batteries

Special features of your phone

- **Dual SIM mode**

Take advantage of using two phone numbers without changing SIM cards manually or carrying two phones.

- **Camera and camcorder**

Use the camera module on your phone to take a photo or record a video.

- **Music player**

Play music files using your phone as a music player.

- **FM Radio and Recording**

Listen to FM Radio with search function and schedule FM Record

- **Bluetooth**

Transfer media files and personal data and connect to other devices using free, wireless Bluetooth technology.

- **Multimedia Message Service (MMS)**

Send and receive MMS messages with a combination of text, images, video, and audio.

- **Flight mode**

Switch your phone to use its none-wireless function in an airplane.

- **Java**

Enjoy Java™-based embedded game and download new games.

- **Alarm**

Use your phone as an alarm clock to wake you up in the morning or notify you of an impending event.

- **Get personal with caller ID**

See who's calling you when their own photo, video and Ring Tone plays.

- **vCard**

Create name cards with your number and profile. Whenever introducing yourself to others, use this convenient electronic name card.

Unpack

Make sure you have each item

- Phone
- Travel Adapter
- Battery
- User's Guide
- Earphone
- PC Sync Manager CD & USB Data Cable.

You can obtain various accessories from your local dealer.

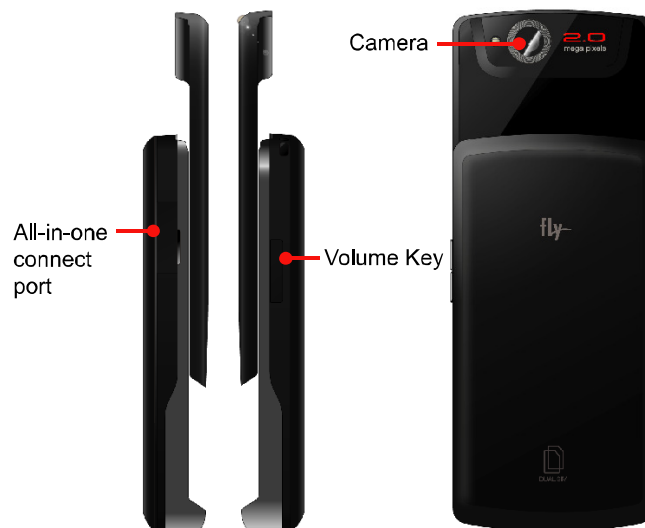
Note:

The items supplied with your phone and the accessories available at your dealer may vary, depending on your country or service provider.

Your phone

Keys, features, and locations





Get started

First steps to operating your phone

SIM card information

When you subscribe to a cellular network, you receive a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details, such as your PIN, and available optional services.

Install and charge the phone

1. Remove the battery.

If the phone is already on, first turn it off by pressing and holding End key.

2. Insert the SIM card.

Make sure that the gold-colored contacts on the card are face down. SIM1 is inserted from right to left on the bottom side and

SIM2 is inserted from left side to right side on the upper.

3. Install the battery.

4. Replace the battery cover.

5. Plug the travel adapter into the phone.

6. Plug the adapter into a standard AC wall outlet.

7. When the phone is completely charged (the battery icon becomes still), unplug the adapter from the power outlet.

8. Remove the adapter from the phone.

9. Switch the Phone On/Off

10. Enter Your Pin (Access Codes)

11. Dial the Phone Number Required

Power On or Off

1. Hold down the power on/off key for more than one second to switch on.
2. Enter your SIM card PIN, if requested. The phone searches for your network and when detected, will display the idle screen. The external display shows the signal strength, battery strength and current time and date.
3. When you wish to switch off the phone, hold down the power on/off key for more than two seconds.

Customize your phone

■ **Time and Date**

Set time and date for your phone

[Menu] → [10.Settings]→ [10.2 Phone Setup] → [10.2.1. Time and Date]

■ **Display language**

Select the language for your phone menus.

[Menu] → [10.Settings] → [10.2 Phone Setup] → [10.2.2.

Language]

- **Set Dedicated key**

Set up a menu for your own favorite menu items.

[Menu] → [10.Settings] → [10.2 Phone Setup] → [10.2.5.

Dedicated key]

- **Idle mode Wallpaper**

Set wallpaper for the idle screen on the display.

[Menu] → [10.Settings] → [10.3 Display Setup] → [10.3.1.Idle Screen] → [10.3.1.1 Wallpaper]

- **Call ringer melody**

[Menu] → [10.Settings]→ [10.1 Profiles]

- **Phone lock**

Protect the phone against unauthorized use with a phone password. The phone will require the password on power-up.

[Menu] → [10.Settings]→ [10.6 Security Setup]

Keys and display

Key Definition



Soft Keys

Perform functions identified by left/right display prompt.

Right button: Cancel numbers & letters when you make a call or input letter for phonebook, message or WAP.



Navigation Keys

Scroll through the menu options.

Move the cursor up and down in the normal editing mode.

Move the cursor to left and right in all editing mode.



SIM2 Send Key (Upper)

SIM1 Send Key (Lower)

Dial or answer a call.

Recall the last call numbers in the idle mode.



Power on/off Key & End Key

End a call.

Switch the phone on and off. (press this key and hold)

Cancel your input in the menu facility and return to the idle mode.



Alphanumeric Keys

You may enter numbers, letters and special characters.

It changes camera settings in camera mode.



Special Function Keys

Enter Special Characters / Perform Various Functions

SHORTCUTS



To activate the "Keypad Lock" press this key and hold.



To activate the "Vibration Mode" option, press this key and hold.



Left: Access to “Message”
Right: Access to “Camera”
Up: Access to “Bluetooth”
Down: Access to “Music Player”

from an idle mode

You may dedicate the left navigation key for favorite menu in ‘Dedicated key’ setting menu
(Menu > 10.Settings > 10.2.Phone Setup > 10.2.5.Dedicated Key)



WAP Key

Access to WAP menu (press shortly), and launch WAP browser (press and hold).

The following icons may appear on the screen to indicate your phone’s status. The icons shown on the display may vary depending on your country or service provider. The number 1 and 2 in icons mean SIM1 and SIM2.



Signal Strength: Shows the strength of the receiving signal. Greater the number of bars, stronger the signal strength.



GPRS: Shows the strength of the receiving GPRS signal. Greater the number of bars, stronger the signal strength.



Roaming: Appears when the phone is roaming.



Missed Calls: Appears when there is missed call(s).



New Message: Appears when a new incoming text message is received and is unread.



MMS Unread: Appears when a new MMS message is arrived and unread.



MMS Busy: Appears when MMS is busy, while receiving and sending a message.



Broadcast Message: Appears when Broadcast Message receive mode is active..



WAP Mail: Appears when WAP mail is received.



Call Barring On: Appears when the call barring mode is active.



Call Forward: Appears when the call forward mode is active.



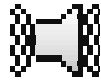
Bluetooth: Appears when the Bluetooth power is on. It has to be on, if you want to use the Bluetooth function. When you finish using, turn off the Bluetooth power.



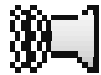
Bluetooth Headset: Appears when the Bluetooth hands-free headset is connected.



Bluetooth Connected: Appears when the Bluetooth device is connected.



Vibrate and Ring: Appears when the Vibrate and Ring mode is active.



Vibrate then Ring: Appears when the Vibrate then Ring mode is active.



Vibrator On: Appears when the Vibration mode (manner mode) is active.



Alarm On: Appears when you set the alarm.



Lock: Appears when you set the phone lock.



Battery Strength: Shows the level of your battery. The more bars you see, the more power you have left.



Headset: appears when you set the Sounds & Alerts as Headset.

* Depending on your country or service provider, the icons shown on the display may vary.

Access menu functions

Use the soft keys

The roles of the soft keys vary depending on the function you are using. The bottom line of the display indicates their current role.

By pressing the soft keys and Navigation key:

1. Press a desired soft key.
2. Scroll through the menu options with Navigation keys.
 - Move the cursor up and down in the normal editing mode.
 - Move the cursor to left and right in all editing mode.
3. Choose [Select] soft key or press the [OK] key to confirm the function displayed or option highlighted.
4. To exit, choose either of the following methods.
 - Select [Back] to move up one level.
 - Press and hold [End] to return to idle mode.

* From the screen supporting <Options>, you can open an option list by selecting an item.

Enter text

Using Keypad

ABC, T9, Number, and Symbol modes

You can enter text in some features such as Messages, Phone Book, or Calendar, using ABC mode, T9 mode, Number mode, and Symbol mode.

Press the appropriate key until the character you want appears on the screen.

Text Input Options:

While you are in text editing mode, you will be in several modes.

When you select the soft key (left) for option, you can save the entry or change the Text Input Method. To erase a character, press the cancel key next to the character you want to erase. There can be more than two options depending on what contents you are editing.

T9 Text Editing Mode

T9 Text Editing Mode is a predictive text input mode that allows you to key in any character using single keystrokes.

While you are in T9 editing mode, press the alphanumeric key once for one character. You will see T9 suggested words.

Overview of menu functions

To access Menu mode, press [**Menu**] in Idle mode.

* Some menus are operator-, network- and subscription-dependent

1. Phone Book

- 1.1 Quick Search
- 1.2 Search Entry
- 1.3 Add New Entry
- 1.4 Copy All
- 1.5 Delete
- 1.6 Caller Group
- 1.7 Speed Dial
- 1.8 Special Number
- 1.9 Settings

2. Message Center

- 2.1 SMS
- 2.2 MMS
- 2.3 E-Mail
- 2.4 Voice Mail
- 2.5 Broadcast Message

3. Call History

- 3.1 Missed Calls
- 3.2 Dialed Calls
- 3.3 Received Calls
- 3.4 Delete Call Log
- 3.5 Call Time
- 3.6 Call Cost (depends on SIM)
- 3.7 SMS Counter
- 3.8 GPRS Counter

4. Music

- 4.1 Music Player
- 4.2 Audio Equalizer

5. Camera

- 5.1 Camera
- 5.2 Album
- 5.3 Video Recorder
- 5.4 Video Player
- 5.5 Photo Editor

6. FM Radio

- 6.1 FM Radio
- 6.2 Schedule FM Radio

7. Organizer

- 7.1 Calendar
- 7.2 To Do List
- 7.3 Alarm
- 7.4 World Clock
- 7.5 Calculator
- 7.6 Units Converter
- 7.7 Stopwatch

8. Services

- 8.1 Opera Mini
- 8.2 WAP
- 8.3 Data Account
- 8.4 SIM Toolkit(depends on SIM)

9. Entertainment

- 9.1 Java
- 9.2 Java Settings
- 9.3 Games
- 9.4 Sound Recorder

- 9.5 Melody composer
- 9.6 Health
- 9.7 E-Book Reader

10. Settings

- 10.1 Profiles
- 10.2 Phone Setup
- 10.3 Display Setup
- 10.4 Call Setup
- 10.5 Network Setup
- 10.6 Security Setup
- 10.7 Pen Calibration
- 10.8 Restore Factory Settings

11. Bluetooth

- 11.1 Bluetooth Mode
- 11.2 Inquiry Audio Device
- 11.3 Remote Control
- 11.4 My Devices
- 11.5 Active Device
- 11.6 Settings
- 11.7 About

12. File Manager

1. Phone Book

You can store phone numbers on your each 2 SIM card separately and in your phone's memory also. The 2 SIM cards and phone's memory are physically separate, but they are used as a single entity called Phone Book. To access this menu, press [**Menu**] in Idle mode and select **Phone Book**.

1.1 QUICK SEARCH

Use this menu to search for numbers in Phone Book.

1.2 SEARCH ENTRY

When you select the Search Entry, after storing numbers to the phone book, you can search them by Name.

1.3 ADD NEW ENTRY

Use this menu to add a new contact to Phone Book.

1.4 COPY ALL

You can copy phone book data from SIM card to Phone or from Phone to SIM. It is a useful function if you want to back up your phone book data from a SIM card to your phone and vice versa. Also you can delete all phone book data.

1.5 DELETE

1.6 CALLER GROUP

Use this menu to organize your contacts in caller groups.

1.7 SPEED DIAL

Use this menu to assign speed dial numbers (2 to 9) for your most

frequently called numbers.

1.8 SPECIAL NUMBER

You can view and edit your mobile phone number (owner number), Service Dial number and SOS number.

1.8 SETTINGS

You can view and edit the settings for the Phone book.

2. Message Center

Use this menu to send and receive short messages and multimedia messages, and e-mails. You can also use a voice-mail and broadcast message features. Message functions are available depending on network services that your service provider supports.

2.1 SMS

Write Message

Use this menu to create and send a message as following

1. Select [Writing Message] menu in the [SMS] menu.
2. Make a message.
3. Press [Done] soft key (Right). Then choose appropriate options.
4. You can input the number directly or get from the phone book by pressing the **[Search]** soft key (left).
5. The phone will display the Message sending Success or Fail message on the screen for all recipients.

2.2 MMS

Use this menu to create and send a message as following

1. Select [Writing Message] menu in the [MMS] menu.
2. Compose a message.
3. Press [Option] soft key (left) and then select "Done." Then choose appropriate options.

Inbox

This folder stores all of the messages you have received, except for e-mails.

Outbox

You can view the messages that the phone has failed to send.

Sent

You can view the sent messages you have saved.

Drafts

This folder stores messages you have saved to send at a later time.

Delete Folder

This folder helps you to delete all mails in selected folder as Inbox, Outbox, Sent, Draft and Delete All Folders.

Template

Use this menu to make and use templates of frequently used messages.

Message Settings

Within the Message Settings sub-menu, you can define default values on common parameters for mobile-originated messages.

2.3 E-MAIL

The E-Mail application allows you to send and receive e-mails. The

application supports text and attachments. The e-mail application could be either normal POP3 e-mail client or IMAP4 based e-mail service.

When highlighting on Inbox, Sent, Unsent and Draft, the number of mails shall be displayed as a popup hint, e.g., "10 mails".

Note: If current incoming protocol is set to IMAP4, and the phone is not currently connected to the network, when before entering this screen, shall popup a confirmation screen for the user with message "Do you want to connect to the network?". If the user selects "Yes", then can send list folder request to network; otherwise, directly enter this screen, and all popup hint displays "0 mails."

Send and Receive

In order to exchange the email, the user has to provide appropriate settings (described in section **Email Profile**).

Write E-Mail

This menu allows you to write an email.

Inbox

This folder stores the list of emails you have received.

Unsent

This folder displays the list of unsent e-mails.

Sent

This folder displays the list of sent mails.

Drafts

This folder displays the list of e-mail Draft you saved.

Delete All Folder

This folder helps you to delete all mails in selected folder.

Delete All Mark

This folder helps you to delete marked mails in selected folder.

E-Mail Accounts

This folder helps you to configure various servers and Profile related settings. All the configurable items are grouped into entities called **Profiles**.

Template

Allows you to store up to 10 frequently used text as E-Mail templates, such as "Dear friend,". To use the template, select **[Ok]** option and then **[Write E-Mail]**. Alternatively, select **[Edit]** to change or **[Erase]** to delete the template.

2.4 Voice Mail

Your phone is capable of dialing with voice-mail server number (if provided by your network). If you receive any voice-mail, your phone displays **New Message** in the idle screen.

Select the Voice Mail from the list and press **[Option]** soft key (left).

You can **Edit** the Voice Mail server number.

By selecting the **Connect to Voice**, your phone will dial to the configured number that has been stored in Voice Mail list. You can then listen to the voice-mail.

2.5 Broadcast Message

You can select if you want to get the broadcast message by "**on/off**" menu and you can choose the subject of broadcast message you want from various category. Please be informed that the

broadcast message is receivable in **SIM1** only.

Note: Please contact your service provider for more information.

3. Call History

Use this menu to view the calls you have dialed, received, or missed, and the length of the calls. You can also check the cost of your calls, if the SIM card supports this function.

To access this menu, press [**Menu**] in Idle mode and select **Call History**.

3.1 Missed Calls

- 1) This menu displays the most recent 20 received calls that you did not answer. In the missed calls list, you can view the details of the record by pressing the [Ok] soft key (left). In the view screen, you can make a call to the number by pressing the Send Key.

3.2 Dialed Calls

This menu displays the most recent 20 calls you have dialed. In the dialed calls list, you can view the details of the record by pressing the [**Ok**] soft key (left). In the view screen, you can make a call to the number by pressing the Send Key.

3.3 Received Calls

This menu displays the most recent 20 calls you have received.

In the list of received calls, you can view the details of the record by pressing the **[Ok]** soft key (left). In the view screen, you can make a call to the number by pressing the Send Key.

3.4 Delete Call Log

This menu lets you delete all call data of each category at once.

3.5 Call Time

This menu displays the time log for calls made and received. The actual time invoiced by your service provider will vary.

Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes and so forth.

3.6 Call Cost(depends on SIM)

This network feature displays the cost of calls. This menu is available only if your SIM card supports this feature. Note that this is not intended to be used for billing purposes.

Note: Not all SIM cards support this feature. The number of items in these lists depends on the contents of your SIM card.

3.7 SMS Counter

You can view the numbers of sent and received SMS.

3.8 GPRS Counter

You can view how many GPRS message has been sent and received, and reset the counter.

4. Music

4.1 Music Player

You can listen to MP3, MIDI, WAV, AMR, iMelody music files with Music Player.

Use the Left & Right Navigation Key to view the play list. It will display available music list from the Memory Card or Phone depending on Player Settings.

And with the Up Navigation Key, the main display will be rotated to Play List, Spectrum, ID3 Tag and Detail. ID3 Tag allows you to provide the music title, album title and singer and Detail allows you to provide the output of the song, memory size and play time.

To play the music, from the music player screen, select ► or from [Option] soft key (left), select **Current List** or **My Album** then play the song you want.

4.2 Audio Equalizer

Allows you to set equalizer as Normal, Bass, Dance, Classical, Treble, Rock, Pop, User.

5. Camera (Menu 5)

5.1 Camera

1. Choose **[Camera]** menu
2. Set your camera by using [Option] or alphanumeric keys.
3. After setting the view and take a picture by pressing the [OK] key.
4. If you want to send the picture by MMS promptly, select the [MMS] soft key (left). You can attach the picture automatically.
- 5 If you want to take more pictures, select the [Back] soft key (right). The screen will display the camera preview.

You can view the image in the Photo Viewer.

Key Usages in Camera Preview

※ Left & Right Navigation Keys

- Camera and Video Recorder (Left & Right Navigation Key): allows you to switch to **[Video Recorder]** menu and **[Camera]** menu.
- Brightness Setting (Left & Right Navigation Key): allows you to adjust the brightness (Exposure Value). When you press the right navigation key, the camera preview screen will become brighter, and the left navigation key the opposite.

※ Function Keys

There are more functions. You can use these functions by pressing the keys.

- Zoom Setting (Side volume Key): By pressing the side volume key up or down, you can zoom in and out the preview.
- Option (Left Soft key) – press the [Option] soft key (left) to view and select options for the Camera settings and viewer. See details the following descriptions for Options.
- Cancel or Back (Right Soft key)– if you want to cancel your key-input or go back to upper menu, press the [Back] soft key (right).

5.2 Album

You can see your photos in your phone by choosing [Album] menu in [Camera] menu. It will display the photos with thumbnail, image name, and image size.

5.3 Video Recorder

With this phone, you may record a video with the Video Recorder menu.

Recording and Saving a Video

1. Choose **[Video Recorder]** menu.
2. Set your video recorder by using [Option]
3. After setting the view, start to record a video by pressing the [OK] key.
4. The video will be saved automatically to the Video Player when you press the [Stop] soft key (right).

5.4 Video Player

You can view the recorded video with the Video Player. Press the side volume key to adjust the volume.

By pressing the  key, you can view the recorded video with the width screen.

By pressing the  key, you can capture the image. The captured image will be displayed in [Photo Viewer] menu.

5.5 Photo Editor

Photo Manager

You can edit photo image with this function.

1. Select the image file you want to edit in the File Manager storage.
2. Choose 'Auto Resize', 'Main LCD Clip'.
 - (1) Auto Resize function resizes the selected image to full image
 - (2) Main LCD Clip function clips a part of image to fit in 320x240 pixels.

Image Tile

You can edit photo image by using several shots you saved at Photo Viewer and combine them in one frame.

Slide Show

You can view your images as a slide show, a sequential presentation of each image in the current folder.

6. FM Radio

6.1 FM Radio

To listen to the radio:

From the FM Radio mode, you can access to the FM Radio options by pressing the <option> soft key (left).

6.2 Schedule FM Record

This menu allows you to set the Schedule FM Radio to record at a specific time. You can save up to 4 channels.

Press the [Save] soft key (right) to save the changes.

7. Organizer

Use this menu to keep track of your schedule. You can also use convenient features, such as Alarm, World Clock, Calculator, Unit Converter, Health and Stopwatch.

To access this menu, press [Menu] in Idle mode and select **Organizer**.

7.1 Calendar

You can keep track of your monthly schedule.

7.2 To Do List

You can view all saved tasks.

7.3 Alarm

This menu allows you to set the alarm to ring at a specific time. You can save up to five alarms.

7.4 World Clock

Set your local time zone and find out the current time in another part of the world.

7.5 Calculator

Perform basic arithmetic functions.

7.6 Units Converter

You can convert from one type of unit to another.

7.7 Stopwatch

Measure elapsed time.

8. Services

This menu allows you to use services including SIM card additional services, WAP and Data Service.

8.1. Opera Mini

You can use Opera Mini browser.

8.2 WAP

The Wireless Application Protocol (WAP) on your phone allows you to access the wireless web. Using the web browser, you can access up-to-date information and a wide variety of media content, such as wallpapers, ring tones, and music files.

To access this menu, press [Menu] and select **Services** then **WAP**. You can also press the WAP key in the idle mode.

Homepage

When you choose [Homepage] menu, WAP browser opens the main page of home site that you had activated among the sites in [Profile].

Bookmarks

You can make bookmark data in your phone. And you can connect to the site directly.

Recent Pages

When you choose [Recent Pages] menu, WAP browser opens the latest WAP page.

Offline Pages

When WAP is disconnected, you can see the recent pages under offline condition.

Enter Address

If you know the URL of the site, you can go to the site directly by inputting the URL.

WAP Push

This menu stores the list of WAP Push you have received.

Settings

This option allows you to set the WAP settings. There are several profiles of sites in this phone. You can activate one of them as a home site and change or set each profile.

8.3 Data Account

This menu allows you to change the settings for the GSM and GPRS network services. For further details, contact your service provider.

GSM

This setting allows you to change the settings for the GSM network.

GPRS

This setting allows you to change the settings for the GSM Data network.

8.4 SIM Toolkit

If you use a SIM card that provides additional services, the STK menu displays. For details, please refer to your SIM card instructions or contact your service provider.

9. Entertainment

The Fun provides you with Java interface and Games. You can use your phone as your entertainment center.

9.1 Java

Using this menu you can enjoy the embedded Java games and downloaded Java games or Java Applications from WAP.

9.2 Java Settings

You can setup audio, network profile, and free data space.

9.3 Games

This phone provides you embedded games.

9.4 Sound Recorder

With this menu, you can record sound in AMR, WAV and AWB format and use it as voice memo, ring tone, MMS and EMS

attachment.

9.5 Melody Composer

With this menu, you can create an iMelody file. You can use this melody as your Ring Tone, MMS and EMS attachment.

9.6 Health

With the Health menu, you can check your BIO Rhythm and BMI.

9.7 E-Book Reader

The viewer application provides an easy way for you to read documents stored in the phone's memory or a memory card. Available file format is Txt file.

10. Settings

The Settings menu provides you with various setting options to customize the phone to your preferences and needs. You can also reset the settings to their default values.

To access this menu, press [**Menu**] in Idle mode and select **Settings**.

10.1 Profiles

Use this menu to customize various sound and change settings for the light.

10.2 Phone Setup

Many different features of your phone's system can be customized to suit your preferences.

Time and Date

You can set time and date for your phone.

Language

Use this menu to select one of several languages for the display text.

Select your preferred language and press [Ok] soft key (left) to save the setting.

Preferred Input Methods

The preferred input method changes the input languages automatically under the Language setting.

Shortcuts

This menu allows you to set shortcuts menu list. Press the [Edit] soft key (left) to edit the dedicated menu for the shortcut numbers.

Dedicated Key

You can use the dedicated keys as shortcut keys to access specific menus directly from idle mode.

Select from the menu lists, and press [Ok] key to change the dedicated menu.

Default Dedicated Keys:

- Up: Bluetooth
- Down: Music Player
- Left : Messages
- Right: F.M. Radio

Flight Mode

This menu allows you to set Flight Mode. Press the [Edit] soft key (left) to set the Flight Mode.

- Normal Mode
- Flight Mode
- Query When Power On

10.3 Display Setup

This menu allows you to customize desired phone display items.

10.4 Call Setup

The following Call Setup features are network services. Please contact your network service provider to check availability and subscribe to the feature.

Caller ID

This network service informs your Caller ID to the recipient when you call out.

You can set the following options for the Caller ID function.

Call Waiting

This network service informs when someone is trying to reach you during another call. You can specify the call waiting option for voice calls only.

Call Divert

This network service reroutes incoming calls to the number that you specify.

Example: you may wish to divert your business calls to a colleague while you are busy.

Note: The phone sends your settings to the network and the network will acknowledge the settings. You can deactivate all call diverting settings by selecting the **Cancel All**.

Call Barring

This network service allows you to restrict your call for Outgoing Calls, Incoming Calls.

You can also cancel all call barring settings. You will be able to make and receive calls normally.

You can set and change the call barring password obtained from

your service provider using this option. You must enter the current password before you can specify a new one.

Note: The phone sends your settings to the network and the network returns the acknowledgement. You can deactivate all call barring settings by selecting the **Cancel All**.

Call Time Reminder

You can set the call time reminder. Options are Off, Single, and Periodic.

Call Time Display

If you want, you can set the phone to display the call time.

Auto Redial

This option allows you to set redial automatically when the call receiver is busy. If you set [Auto Redial] on, it will redial 10 times to make a call.

IP Number

Set the IP number.

10.5 Network Setup

Network Setup helps you in Network Selection, selection of Preferred Network, and GPRS connection.

Network Selection

The Network Selection feature enables you to select automatically or manually the network used when roaming outside of your home network.

Note: You can select a network other than your home network only if it has a valid roaming agreement with your home network.

Preferred Networks

You can set your preferred networks from PLMN list. You can add From List, Create New, Change Priority and Delete

Band Selection

This menu allows you to select the service bandwidth to 900, 1800, 1900, Dual Band and Auto.

GPRS Connection

Press [Change] soft key (left) to change the setting for the GPRS connection.

It will switch and save the GPRS connection to set on:

- 1) When Needed.
- 2) Always

10.6 Security Setup

Use this menu to protect the phone against unauthorized use by managing the several access codes of your phone and SIM card. There are six types of security setting categories, and you can optimize security mode by choosing sub menus in "Security Setup" in "Settings" menu. These security settings will help you to keep privacy and to prevent other people from using the phone without your permission.

Note: If you enter an incorrect PIN/PIN2 three times in succession, the SIM card is blocked. To unblock it, you need to enter your PUK/PUK2. The codes are supplied by your network operator.

PIN Lock

When the PIN Lock feature is on, the phone only works when you enter PIN code for the SIM card. If you turn on the phone with the SIM card, the phone will ask for the password. Once the correct password is entered, the phone will work with the SIM card.

Phone Lock

When the Phone Lock feature is on, user must enter the password each time you turn on the phone. Making a call or operating the phone is not available without the password.

Auto Keypad Lock

To prevent unwanted accidental key presses, you can use this auto keypad lock function. You may not make a call or operate the phone until you press the unlock code. However, answering a call, receiving messages are available without entering the unlocking key sequence.

To change the Keypad Lock setting,

Press the menu key and select 10. Settings / 10.6 Security Setup / 10.6.3 Auto Keypad Lock.

To unlock the Keypad Lock time setting,

Press the menu key and select 10. Settings / 10.6 Security Setup / 10.6.3 Auto Keypad Lock. / 10.6.3.1 None

Data Lock

To prevent unauthorized use of Phonebook, Call History, Message, WAP, you can use this Data Lock function.

Fixed Dial

When the Fixed Dial mode is enabled, the person using this phone can call to the phone numbers stored in the Fixed Dial List only.

To make a call to the number not starting the numbers stored in Fixed Dial List, you must enter the PIN2 to disable Fixed Dial mode. If the SIM card does not have PIN2, this feature is not supported.

Barred Dial

When the Barred Dial mode is enabled, the person using the phone cannot call numbers in the barred dial list. To call a barred number, you must enter the PIN2 to disable the barred dial mode. If the SIM card does not have PIN2, it will not support the Barred Dial feature.

Change Password

To change the password, input the current password, and then enter the new password.

Note: The initial password is "0000." After you change your password, you will need to input the password. If you forgot your password, contact the service center.

10.7 Pen Calibration

In case of the failure to operate Touch Point, the user can adjust

the coordinates for optimal use.

10.8 Restore Factory Settings

This feature would reset the phone to the same settings as those configured at the factory. In this case, it does not delete the downloaded objects and phone book records.

You will need to input password to restore factory settings. The initial password is 0000.

11. Bluetooth

To connect this phone to other Bluetooth device, set this option to On.



icon will appear on the idle screen.

The phone's Bluetooth power will be turned on, until you turn the Bluetooth Mode off. When you turn off your phone's power, and turn on the next time, the Bluetooth power will be On. If the Bluetooth device was connected, the phone will connect to the device when the phone's power is back on.

Note: When you are not using the Bluetooth feature, set the Bluetooth Mode to Off, in order to save the battery power.

11.2 Inquiry Audio Device

11.3 Remote Control

- 1) Prepare DS500 Handset and PC with Bluetooth(V1.2) installed.

- 2) Menu – Settings – Bluetooth – Bluetooth Mode : On
- 3) Menu – Settings – Bluetooth – My Devices – Option – Search for Devices – Select PC Bluetooth Device – Bond – Insert Code No.(0000) – Complete the connection.
- 4) When the pairing is completed, you can find and connect the HID Profile from your PC to Handset. (The connection mode can be different by each BT Vendor application tool.)
- 5) Automatically connect to Remote control menu in Bluetooth mode.
- ① Desktop : Window Desktop Control menu
- ② Media Player : Window Media Player Control menu
- ③ Presenter : MS Power Point Control menu
- 6) You can operate the Remote Control function by inserting the GUI Key in each menu table.

11.4 My Devices

This menu will search for the Bluetooth device(s) within the range of your phone. You can conveniently connect to the frequently using Bluetooth device by using this menu.

1. Put the device nearest possible when you search a new device.
2. Check to turn on your phone and the new device. For turning on your new device, see instruction provided by the device manufacturer. Make sure your phone is in Bluetooth Mode.
3. Select “Inquiry New Device” to find the new device.
4. After your phone finds the device, press [Bond] soft key (left), it might ask for a pass code. Default pass code is depending on the Bluetooth device. You might try 0000 as a pass code. Usually

the Bluetooth audio device provides a guide with this pass code.

5. The phone and device will be paired and connected. If you fail this pair procedure, try again or contact the device manufacturer, or change to other device.

Note: Please use recommended Bluetooth devices for optimal use.

11.5 Active Device

This menu activates the Bluetooth device(s) of your phone.

11.6 Settings

Visibility

You can set your phone visible to other Bluetooth devices. If you set this On, other devices can search your phone as a Bluetooth device. You can only change this option when the Bluetooth Mode is On.

My Phone Name

Name your phone name by using this option. When other Bluetooth device searches your phone, this name will be displayed.

Authentication

Set Authentication On or Off. You can only change this option when the Bluetooth Mode is On.

Audio Path

- (1)Leave in Phone
- (2)Forward to BT Headset

FTP Settings

Set shared folders of File manager when you send data by Bluetooth.

BIP Settings

Remote SIM Mode

11.7 About

This menu will display your Bluetooth's profile. (Hands free, Headset, SPP, DUN, OPP, FTP, A2DP, AVRCP)

12. File Manager

Use this menu to navigate the stored files in the phone or the Micro SD (T-Flash) Card. You can open files and use them in a way the phone supports, and see the total memory used and free space in the storage.

Note:

After selecting Copy or Move option, press the left or right navigation keys to access to the upper or lower folder.

Note:

Depending on the software installed or your service provider or country, some of the descriptions in this guide may not match your phone exactly.

Depending on your country, your phone and accessories may appear different from the illustrations in this guide.