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# 15

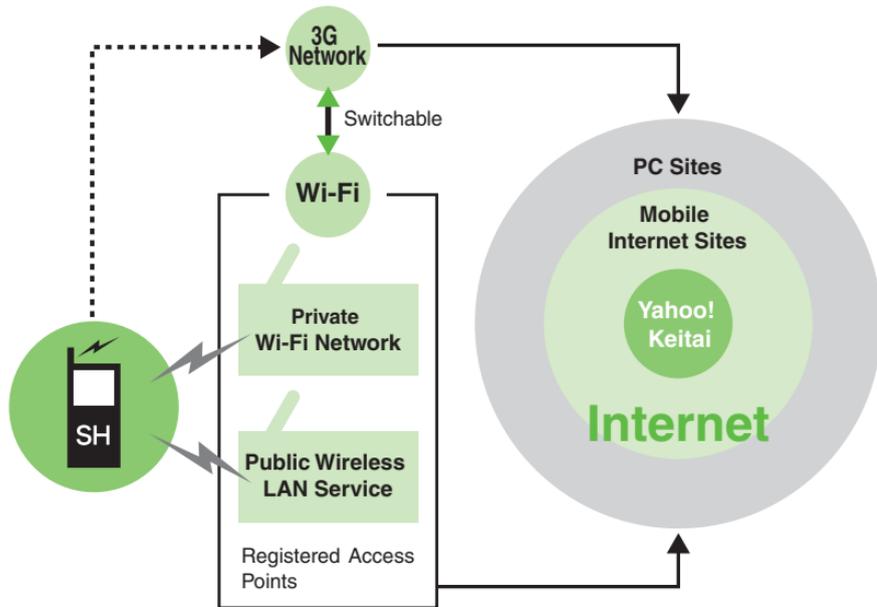
## Connectivity & File Backup



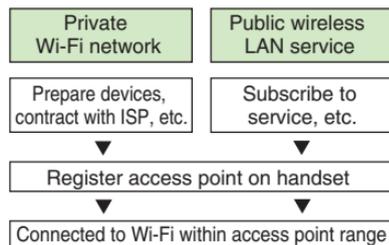
## Wi-Fi (Wireless LAN)

945SH supports wireless LAN (hereafter "Wi-Fi") that enables Internet connection via private Wi-Fi network, public wireless LAN service, etc. Handset connects to the Internet via Wi-Fi automatically whenever possible, allowing high-speed communication without switching networks.

Subscription to Keitai Wi-Fi is required to use Wi-Fi.



### Service Usage Outline



### Registering Access Points

- Save access point information to handset to use Wi-Fi.
  - Handset connects to registered access points automatically.
- Access point search may take some time depending on the number of registered access points.

### Important Wi-Fi Usage Note

- Depending on signal conditions, connection may automatically switch from Wi-Fi to 3G incurring packet transmission fees; set confirmation to appear as needed.

### Advanced

- Subscribing to Keitai Wi-Fi (Japanese)
- Disabling Wi-Fi
- Showing confirmation when switching networks
- Protecting access point information by Handset Code
- Specifying channel range
- Opening access point properties
- Opening Wi-Fi-related handset properties
- Opening Keitai Wi-Fi information (Japanese) (P.15-25)



## Registering Private Access Points

- Broadband connection, ISP subscription and Wi-Fi access point are required.
- To connect to corporate access points, consult the system administrator for settings.
- Configure settings on Wi-Fi access points beforehand. (For details, see the access point guide.)
- Access point information (SSID, authentication method, encryption method, security key, etc.) is unique to each access point. Check it beforehand.

### Using AOSS™ or WPS

AOSS™ and WPS are systems/standards for easy access point registration and security configuration; available on compatible Wi-Fi access points.

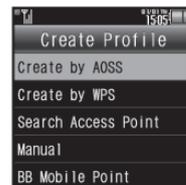
### Using AOSS™

- 1  ➔ **Tools** ➔  ➔   
**Connectivity** ➔ **Wi-Fi** ➔ 



Wi-Fi Menu

- 2 **Create Profile** ➔ 



Create Profile Menu

- 3 **Create by AOSS** ➔ 
- 4 

- Follow onscreen instructions.
- To cancel, press .
- Handset connects to Wi-Fi upon completion of registration (Switch On/Off: **On**).

### Advanced

-   Managing registered access points (P.15-25)



**Using WPS**

Example: Push Button Configuration (PBC) method

**1** In Create Profile menu, **Create by WPS** ➔ ●

**2** ●

- Follow onscreen instructions.
- To cancel, press (⌫).
- Handset connects to Wi-Fi upon completion of registration (Switch On/Off: *On*).

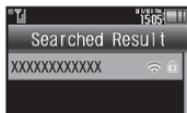
**Using PIN Method**

- Enter an eight-digit number (PIN) generated by handset into the access point.

After **1**, (⌫) ➔ **PIN entry** ➔ ● ➔ ●  
 ➔ **Enter number on Display into access point** ➔ ●

**Access Point Search**

**1** In Create Profile menu, **Search Access Point** ➔ ●



- To cancel search, press (⌫).

**2** Select access point ➔ ●

**3** Enter corresponding security key ➔ ●

**4** Yes ➔ ●

- Handset connects to Wi-Fi (Switch On/Off: *On*).

**If Encryption Method is WEP**

- After (⌫), authentication method selection window opens. Select a method according to the access point.

**Advanced**

- Setting IP address
- Setting DNS server addresses (P.15-25 - 15-26)



## Registering Access Points Manually

Check access point information beforehand.

### Major Items

#### Access Point Profile

Profile Name	Enter a name
SSID	Enter the same SSID as the access point

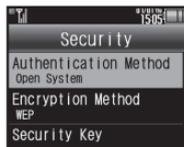
#### Security

Authentication Method	Supported authentication methods vary by access point; set accordingly
Encryption Method	Supported encryption methods vary by authentication method; set according to access point
Security Key	Enter the security key (also called "encryption key," "network key" or "passphrase") set on the access point

### Entering Information

Example: Authentication Method is WPA/WPA2-PSK Auto.

- 1** In **Create Profile** menu, **Manual** →
- 2** **Profile Name** → → **Enter name** →
- 3** **SSID** → → **Enter SSID** →
- 4** **Security** →



Security Menu

- 5** **Authentication Method** → → **Select method** →
- 6** **Encryption Method** → → **Select method** →
- 7** **Security Key** → → **Enter security key** →



- Handset connects to Wi-Fi (Switch On/Off: *On*).

If Authentication Method is *Open System* & Encryption Method is *No Authentication*

- Omit security key entry.

If Encryption Method is *WEP*

- In , *<Empty>* → → **Enter WEP key** → → → **From**



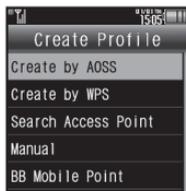
## Using Public Wireless LAN Services

- Subscription with the corresponding service provider, etc. is required.
- Access point information (SSID, authentication method, encryption method, security key, etc.) is unique to each access point. Check it beforehand.
- Subscription to Keitai Wi-Fi provides access to BB mobilepoint service. For more about BB mobilepoint, see SOFTBANK TELECOM Website (P.17-24).

### Using BB mobilepoint

1 → **Tools** → → → **Connectivity** → **Wi-Fi** →

2 **Create Profile** →



Create Profile Menu

3 **BB Mobile Point** →

4 **Password** → → Enter password →

5

6 **Yes** →

- Handset connects to Wi-Fi (Switch On/Off: **On**).

### Using Other Public Wireless LAN Services

- Check public wireless LAN service information beforehand.
- **Connection to some public wireless LAN services may not be possible.**

1 **In Create Profile menu, Manual** →

2 **Complete fields**

- For details, see P.15-5 "Entering Information."

3 **Advanced Settings** → → **WISPr Settings** →

4 **User ID** → → Enter ID →

5 **Password** → → Enter password →

6 **Switch On/Off** → → **On** →

7 → →

8 **Yes** →

- Handset connects to Wi-Fi (Switch On/Off: **On**).



## Infrared

Wirelessly transfer files between 945SH and compatible devices.

945SH supports IrSimple™ high-speed wireless communications protocol; exchange large image files instantly with compatible mobile phones, printers, etc.

### Transferable Files

Phone Book	Received Msg.
Calendar	Sent Messages
Tasks	Drafts
Notepad	Templates (Messaging)
Bookmarks	Data Folder

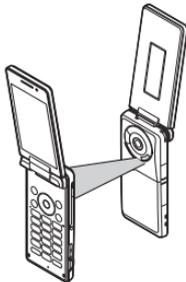
- Copy/forward protected files are not transferable.
- Some files may not be transferable; some settings may be lost, or files may not be saved properly. For details, see "Troubleshooting" at the end of this chapter.

### Getting Started

#### Infrared Precautions

Align Infrared Ports of both devices.

- Handset cannot receive connection requests during Software Update.



- Do not place objects between devices.
- Keep Infrared Ports aligned during transfer.
- Do not look into Infrared Port during infrared transmissions. Eyesight may be affected.
- 945SH complies with IrMC 1.1, however, some files may not transfer properly.

### Transfer Options

<b>One File Transfer</b>	Transfer single files
<b>All File Transfer</b>	Transfer all files by function
<b>IrSS Transfer</b>	Exchange single JPEG image files with compatible devices at high speed

- Some transfer options may be unavailable depending on file type.
- Transfer Memory Card files one by one.

#### Authorization Code

- Four-digit code required for Infrared transfers. All File Transfers possible when codes match. (Authorization Code is changeable for each transfer.)



## Transferring Files via Infrared

### Receiving Files

1 **Tools** **Connectivity** **Infrared**

2 **Switch On/Off** **On(3 min.)**



- Infrared is activated.
- Handset receives files if sent within three minutes.
- Handset must be in Standby to accept connection requests.

3 **Connection request arrives**



Request Window

4 **Perform subsequent operations**

- To cancel transfer, press .

### Subsequent Operations

#### ■ One File Transfer

**Yes** **Yes**

- If storage media confirmation appears, select media and press .

#### ■ All File Transfer (Adding Files)

**Yes** **Enter Authorization**

**Code** **As New Items**

#### ■ All File Transfer (Overwriting Existing Files)

**Yes** **Enter Authorization**

**Code** **Delete All & Save**

**Yes**

- For Phone Book, My Details except handset phone number is overwritten as well.

#### ■ IrSS Transfer

**Yes**

- Files are saved to Data Folder (Pictures).



## Sending Files

## One File Transfer

Example: Phone Book entry

- 1  ➔ **Select entry** ➔  ➔ **Send Entry** ➔ 
- 2 **Via Infrared** ➔ 
- 3 **Yes** ➔  ➔ **Transfer starts**
  - When complete, entry search window returns.

## All File Transfer

- 1  ➔ **Tools** ➔  ➔  ➔ **Connectivity** ➔ **Infrared** ➔ 
- 2 **Send All** ➔ 
- 3 **Yes** ➔  ➔ **Enter Handset Code** ➔ 
- 4 **Select item** ➔  (  /  ) ➔ **Complete selection** ➔ 
- 5 **Enter Authorization Code** ➔  ➔ **Transfer starts** ➔ 

## Sending Phone Book

- In , Picture transfer confirmation appears; choose **Yes** or **No** and press .

## Sending JPEG Images at High Speed

- 1  ➔ **Data Folder** ➔ 
- 2 **Pictures or DCIM** ➔ 
  - For **DCIM**, select a folder and press .
- 3 **Select image** ➔  (Long)
- 4 **Yes or No** ➔  ➔ **Transfer starts**
  - Images may be reduced automatically before transfer depending on the size.
  - When complete, file list returns.
  - Transfers are one-way; end even if files are not received.

## Advanced

-   Sending My Details
-  Sending non-Phone Book files
-  Disabling image size reduction for IrSS Transfer (P.15-26)

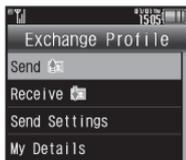


## Exchanging Contact Information

Exchange name, phone numbers, mail addresses, and other contact info with other compatible handsets via infrared. Read **P.15-7** "Infrared Precautions" beforehand.

### Receiving Profiles

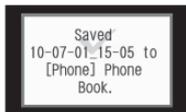
#### 1 (Long)



Exchange Profile Menu

#### 2 Receive

#### 3 Profile received



- Received profile is saved to Phone Book.

### Sending Profiles

#### 1 In Exchange Profile menu, Send → Transfer starts

#### Changing Profile Items to Send

[Exchange Profile Menu] *Send*

*Settings* → Select item

(/) → Complete selection

#### Opening My Details

[Exchange Profile Menu] *My Details*

→



## IC Transmission

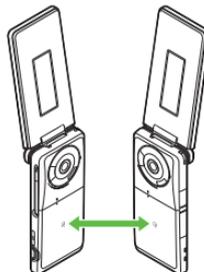
Wirelessly transfer files between 945SH and compatible devices.

- For transferable files, see P.15-7.
- Cancel IC Card Lock beforehand.
- Disconnect Headphones, USB Cable and AC Charger beforehand.

### Getting Started

#### IC Transmission Precautions

Align  logos of both devices.



Align  logos

Keep  logos aligned during transfer.

### Transfer Options

<b>One File Transfer</b>	Transfer single files
<b>All File Transfer</b>	Transfer all files by function

- Some transfer options may be unavailable depending on file type.
- Transfer Memory Card files one by one.

#### Authorization Code

- Four-digit code required for IC transfers. All File Transfers possible when codes match. (Authorization Code is changeable for each transfer.)

### Advanced

-   Disabling one file reception (P.15-26)



## Transferring Files via IC Transmission

### Receiving Files

#### 1 Connection request arrives



Request Window

- Handset must be in Standby to accept connection requests.

#### 2 Perform subsequent operations

- To cancel transfer, press .

### Subsequent Operations

#### ■ One File Transfer

Yes →  → Yes → 

- If storage media confirmation appears, select media and press .

#### ■ All File Transfer (Adding Files)

Yes →  → Enter Authorization Code →  → As New Items → 

#### ■ All File Transfer (Overwriting Existing Files)

Yes →  → Enter Authorization Code →  → Delete All & Save →  → Yes → 

- For Phone Book, My Details except handset phone number is overwritten as well.

### Sending Files

#### One File Transfer

Example: Phone Book entry

1  → Select entry →  → Send Entry → 

2 Via IC Transmission → 

3 Yes →  → Transfer starts

- When complete, entry search window returns.

#### All File Transfer

1  →  →  →  → IC Transmission → 

2 Send All → 

3 Yes →  → Enter Handset Code → 

4 Select item →  (  /  ) → Complete selection → 

5 Enter Authorization Code →  → Transfer starts → 

#### Sending Phone Book

- In , Picture transfer confirmation appears; choose **Yes** or **No** and press .

### Advanced

-  Sending My Details
-  Sending non-Phone Book files (P.15-26)



# Bluetooth®

Wirelessly transfer files/data between 945SH and compatible devices (watches, handsfree devices, etc.).

- For transferable files, see **P.15-7**.
- 945SH supports simultaneous connection with two devices. (May be unavailable depending on the device type.)
- Bluetooth® connection may not be possible with some Bluetooth® devices.
  - Handset shall be connected to certified Bluetooth® devices that meet the specification standards developed by the Bluetooth SIG.
  - Data transfers may fail depending on characteristics or specifications of the certified Bluetooth® devices.
  - Noise may interfere with wireless or handsfree conversations.
- TV audio is supported only on SCMS-T DRM scheme compliant Bluetooth® devices.

## Getting Started

### Bluetooth® Precautions

Check transmission range of your Bluetooth® device to use with handset properly. Maximum transmission range for transfers between 945SH handsets is ten meters. (Bluetooth® connection/transfer rate may vary depending on conditions.)

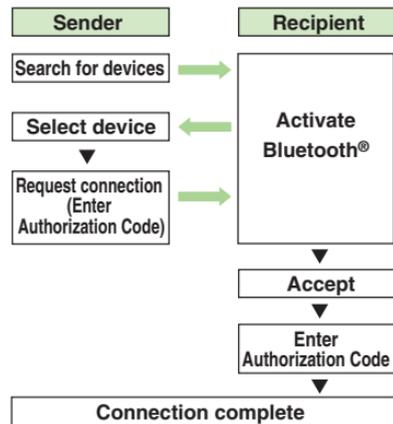
### Important Handsfree Device Usage Note

- Handle call operations on the device in use.

### Bluetooth® Watches

- Compatible Bluetooth® watches support these functions:
  - Clock sync
  - Alarm notice
  - News notice
  - Mail notice
  - Remote Shutter
  - Mode Settings
  - Quick Silent
  - Caller ID notice
  - Hold calls
  - Show Operator Name
- For details about functions/operations, see the Bluetooth® watch guide.

## Bluetooth® Connection



### Authorization Code

- 4 to 16-digit code required for Bluetooth® connections. Pairing possible when codes match.
- For handsfree devices, enter specified Authorization Code.
- Authorization Code entry may not be required depending on the other device.

## Advanced

- Cloaking handset to avoid connection requests
- Setting idle time after which Bluetooth® is canceled
- Switching audio output to wireless device
- Changing Bluetooth® name for handset
- Opening Bluetooth®-related handset properties (And more on **P.15-26 - 15-27**)
- Synchronizing Bluetooth® watch with handset Clock
- Enabling/disabling Bluetooth® watch responses (**P.15-27**)



# Transferring Files via Bluetooth®

## Activating Bluetooth®

### 1 (Long)



- Bluetooth® is activated.
- Handset must be in Standby to accept connection requests from unpaired handsfree devices, etc.
- To cancel Bluetooth®, Long Press .

## Connecting Bluetooth® Devices

### Device Search & Pairing

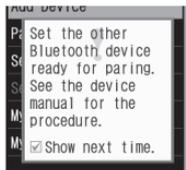
First, activate Bluetooth® on devices to be paired with.

### 1 ➔ *Tools* ➔ ➔ *Connectivity* ➔ *Bluetooth* ➔



Bluetooth Menu

### 2 *Add Device* ➔



- To suppress message, press  before **3**.

### 3

- Found devices are listed after search.
- To cancel search, press .

### 4 *Select device* ➔

If a confirmation appears, choose **Yes** and press .

### 5 *Enter the same Authorization Code for handset and the other device* ➔ ➔ *Pairing complete*

- On the other device, complete code entry within 30 seconds.
- Authorization Codes are not necessary for paired devices.

### Connecting Bluetooth® Specification Ver. 2.1 Compliant Devices

In **3**, **Yes** ➔  ➔ *Pairing complete*

- If the other device is a keyboard, follow onscreen instructions.

## Advanced

-   Activating Bluetooth® via Main Menu
-  Editing Paired Device list
-  Disconnecting handsfree devices, etc.
-  Connecting devices supporting handsfree telephony and audio output by service
-  Specifying a preferred device for wireless connection (P.15-27)



## Connecting Paired Handsfree Devices, Etc.

### 1 In Bluetooth menu, *Paired Devices* ➔ ●



Paired Device List

### 2 Select device ➔ ●

If handset is already connected to another device, disconnection confirmation may appear; choose **Yes** and press ●.

- The device is connected and  (preferred) appears.

## Accepting Connection Requests

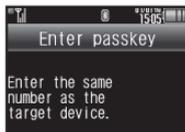
Follow these steps to accept connection requests from unpaired devices:

### 1 Connection request arrives



Request Window

### 2 Yes ➔ ●



### 3 Enter the same Authorization Code as sender's ➔ ●

- Complete code entry within 30 seconds.

#### Connecting Bluetooth® Specification Ver. 2.1 Compliant Devices

In ●, Yes ➔ ●

- If the other device is a keyboard, follow onscreen instructions.



## Transferring Files

Follow the steps below to exchange files with paired devices.

- For transferable files, see P.15-7.
- When requested, enter Authorization Code.

### Receiving Files

#### 1 Connection request arrives



Request Window

#### 2 Perform subsequent operations

- To cancel transfer, press .

### Subsequent Operations

#### ● One File Transfer

Yes →  → Yes → 

- If storage media confirmation appears, select media and press .

#### ● All File Transfer (Adding Files)

Yes →  → As New Items → 

#### ● All File Transfer (Overwriting Existing Files)

Yes →  → Delete All & Save →

 → Yes → 

### Sending Files

#### ■ One File Transfer

Example: Phone Book entry

1  → Select entry →  → Send Entry → 

2 Via Bluetooth → 

3 Select device → 

4 Yes →  → Transfer starts

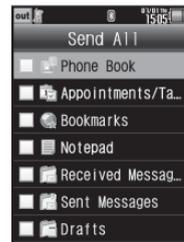
- When complete, entry search window returns.

### ■ All File Transfer

1 In Bluetooth menu, *Send All* → 

2 Select device →  → Yes → 

3 Enter Handset Code → 



4 Select item →  (/ ) → Complete selection →  → Transfer starts → 

#### Sending Phone Book

- In , Picture transfer confirmation appears; choose **Yes** or **No** and press .

## Advanced

-  ● Sending My Details ● Sending non-Phone Book files (P.15-28)

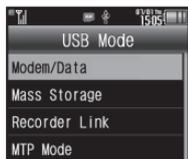
## Connecting PC or Blu-ray Disc Recorder

### Connecting PC

#### Accessing Memory Card

Connect handset to a PC via USB Cable to access Memory Card from the PC without removing card from handset. USB Cable may be purchased separately.

### 1 Connect handset to a PC via USB Cable



### 2 Mass Storage →

- Use PC to access Memory Card.

### 3 Yes →

#### Connection ends

- Disconnect USB Cable.

#### If Menu in 1 Does Not Appear

- Follow these steps:
  - **Tools** → → **Connectivity**
  - **USB Mode** → → **From 2**
  - Operations on the PC may be required; if prompted, follow onscreen instructions.

### Utility Software (Japanese)

For more PC-related operations, download Utility Software (including USB Cable driver) from the following URL.

#### Utility Software

<http://k-tai.sharp.co.jp/download/tools/utility/>

#### Mobile Data Communication Fees

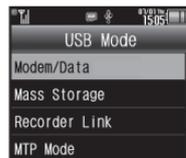
- Using the Internet by connecting handset to PC/PDA via USB Cable or Bluetooth® may incur high charges as large-volume packet transmissions tend to occur in a short period of time.

### Connecting Blu-ray Disc Recorder

Connect handset to a Blu-ray Disc recorder via USB Cable to transfer recorded programs to Memory Card without removing card from handset.

- Compatible only with SHARP Blu-ray Disc recorders. For details, see **P.17-24** "Compatible Blu-ray Disc Recorders."
- USB Cable may be purchased separately.

### 1 Connect handset to a Blu-ray Disc recorder via USB Cable



### 2 Recorder Link →

- Transfer files from Blu-ray Disc recorder to Memory Card.

### 3 Yes →

#### Connection ends

- Open transferred files via **Recorder Contents** in TV menu or Media Player menu (Videos).

#### If Menu in 1 Does Not Appear

- Follow these steps:
  - **Tools** → → **Connectivity**
  - **USB Mode** → → **From 2**



## Connecting TV

Connect handset to a TV via an HDMI cable (sold separately) to view images and video saved on handset/Memory Card, and more.

- Supported on TVs with an HDMI port. (Some functions may be unavailable depending on the TV.)
- Connect to a SHARP Familink-compatible AQUOS TV to use handset functions easily on TV. For details, see **P.17-24** "ケータイ daSH."
- Use recommended HDMI cables only. For details, see **P.17-24** "HDMI Cable Compatibility."
- For more information, see the TV manual.

### Precautions

- Purchase and use an HDMI certified cable (Category 2 recommended) that supports HDMI Type-D Micro connectors.
- Do not force an HDMI cable into/out of HDMI Port.
- Place handset on a flat, stable surface when connected to a TV via an HDMI cable; tilting an HDMI cable relative to handset may prevent proper connection, causing malfunction, etc.
- Close HDMI Port Cover firmly after ending HDMI connection.

### Features

Special menu opens on TV with these items:

<b>Videos/ Pictures</b>	Play video or open images
<b>Music</b>	Play music
<b>Web</b>	Browse the Internet
<b>Documents</b>	Open PDF files, etc.
<b>Slide Show</b>	Start Slide Show
<b>Information</b>	Check Missed Calls, etc.
<b>Messaging</b>	Open/create messages, etc.
<b>More</b>	Access other files/functions

### AQUOS Familink

945SH supports AQUOS Familink; connect to a SHARP Familink-compatible AQUOS TV to use handset functions with TV remote.

Handset ⇔ TV Remote Key Assignments:

	Cursor keys
	OK key
	Back key
	Power on/off key
	Blue key
	Red key
	1 - 9 (numeric keys)
	10 (numeric key)
	11* (numeric key)
	12* (numeric key)

\*May not be supported depending on the TV.



## Using HDMI Connection

- First, power on TV and set handset in Standby.
- Touch Panel is disabled during HDMI connection.

### 1 Connect handset to a TV via HDMI cable

### 2 (Long)



- Special menu opens on TV.
- **Connecting via HDMI** appears on handset.

### 3 Select item → ●

- Menu/window opens.

### 4 → Connection ends

- Disconnect HDMI cable from TV and handset.

#### Slide Show Tip

- **Film Mode** (AQUOS TV setting) may smooth transition between images.

## Advanced

- Changing output size
- Showing incoming calls on TV during HDMI connection
- Changing AQUOS Familink settings (P.15-28)



## Basics

Back up information to Memory Card, and restore to handset as needed.

### Supported Items

Select items to back up, or transfer all at once. Items with \* are selectable at once via **Check Selection** in Options menu.

Phone Book*	Drafts*
Calendar*	Templates (Messaging)
Tasks*	Contents Keys
Bookmarks*	Data Folder
Notepad*	User Dictionary
Mail Groups*	Album
Received Msg.*	Used Log
Sent Messages*	Manage Model Type Data

### Precautions

- Not available if battery is low.
- Some items may not be transferable; some settings may be lost, or files may not transfer properly. For details, see "Troubleshooting" at the end of this chapter.

### Transferring All Items

- Use blank Memory Card for **Backup All Items**. Do not use the card to save other files after **Backup All Items**; backed up content may not be restored properly.

### Contents Keys

- Moving Keys to Memory Card creates a special file. Performing Backup again on the same Memory Card overwrites that file. Perform Restore beforehand.



# Backup & Restore

## Handset to Memory Card

Follow these steps to back up selected items at once:

- 1 → **Settings** → → **Phone/Restore** → → **Backup/Restore** →



Backup/Restore Menu

- 2 **Backup Selected Items** → → **Enter Handset Code** →
- 3 **Yes** →
- 4 **Select item** → (□/✓) → **Complete selection**

- 5 → **Yes** →
  - To cancel, press .

- 6 **Backup complete** → →

### Selecting Multiple Items at Once

In 4, → **Select option** →

From 5

### Selecting/Canceling All Items

In 4, → **Check All or Uncheck All** →

## Memory Card to Handset

Follow these steps to restore selected items: (Restoring backed up content to handset overwrites current--with the exception of Contents Keys--handset content.)

- 1 In Backup/Restore menu, **Restore Selected Items** →
- 2 **Yes** →
- 3 **Select item** → (□/✓) → **Complete selection**

- 4
  - If no file list appears, skip ahead to 7.

- 5 **Select file** →
  - Repeat 5 to complete selection.

- 6

- 7 **Yes** →
  - To cancel, press .

- 8 **Restore complete** → →

### Selecting Multiple Items at Once

In 3, → **Select option** →

From 4

### Selecting/Canceling All Items

In 3, → **Check All or Uncheck All** →

### Changing Restoration Method

After 3, select item → → **Change to Add Mode or Chg. to Overwrite Mode** → → From 4

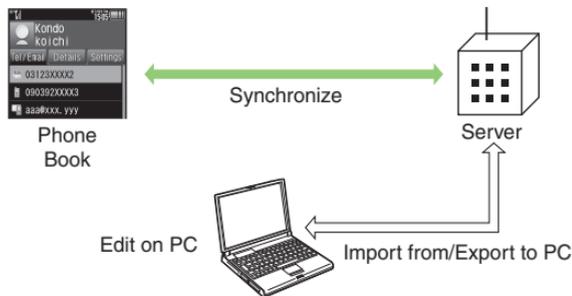
## Advanced

● Backing up all items ● Encoding data for backup ● Restoring all items ● Deleting backup files (And more on P.15-28 - 15-29)



## About SAB

Back up Phone Book content in SAB; add Phone Book changes to SAB anytime. Edit SAB online via PC; add SAB changes to Phone Book anytime. Restore lost or altered Phone Book content from SAB.



- SAB requires a separate contract and basic monthly fee.
- Use SAB to add Phone Book content to a new compatible SoftBank handset; some conditions apply (P.15-23).
- Use a PC to edit SAB online.
- For more about SAB, see SoftBank Mobile Website (P.17-24).
- Synchronization incurs packet transmission fees.

### Auto Synchronization

- When subscribed to SAB, Network Information retrieval activates auto synchronization (Auto Sync Settings: **On**, Set Frequency: **After Editing Ph.Book(10 min.)**, Sync Mode Setting: **Normal**); Phone Book changes are added to SAB automatically.
- Cancel auto synchronization as needed. However, it reactivates after Network Information retrieval.

## SAB Sync Commands & Features

Synchronization	<b>Normal</b>	Synchronize Phone Book and SAB <sup>1</sup>
	<b>Sync from Client</b>	Add Phone Book changes to SAB <sup>2</sup>
	<b>Backup</b>	Export Phone Book content to SAB <sup>3</sup>
	<b>Sync from Server</b>	Add SAB changes to Phone Book <sup>4</sup>
	<b>Restore</b>	Import SAB content to Phone Book <sup>5</sup>
Edit on PC	<b>Import from PC</b>	Upload PC address book info to SAB
	<b>Export to PC</b>	Export SAB content to PC address book
	<b>Sync Lock</b>	Prevent synchronization from handset
Send Notice <sup>6</sup>	<b>Birthday Notification</b>	SAB sends reminders via SMS to handset
	<b>Email Address Notification<sup>7</sup></b>	Send new handset mail address to specified addresses
	<b>"Disaster Message Board" Message Notification<sup>8</sup></b>	Send emergency message board update to specified addresses
Spam Filter	<b>Tomodachi Email Filter<sup>9</sup></b>	Always accept messages from mail addresses saved in SAB

<sup>1</sup> If the same entry item is edited in Phone Book and SAB, SAB content is referenced.

<sup>2</sup> Unrelated SAB changes remain.

<sup>3</sup> Any existing SAB content is deleted.

<sup>4</sup> Unrelated Phone Book changes remain.

<sup>5</sup> Any existing Phone Book content is deleted.

<sup>6</sup> Access this function via handset (My SoftBank; Japanese) or a PC.

<sup>7</sup> Backup resets notification setting; handset address is sent to all addresses.

<sup>8</sup> Backup resets notification setting; updates are not sent to any address.

<sup>9</sup> Export Phone Book content to SAB beforehand.



## Service Usage Outline

### Complete Contract

Visit a SoftBank Shop, dial 157 from a SoftBank handset for SoftBank Mobile Customer Center, General Information or access My SoftBank (Japanese).



### Receive User ID & Password

After subscription, user ID and password arrive via SMS.

- User ID and password are required to use SAB via a PC.



### Use SAB

Export Phone Book content to SAB.

## Precautions

### ■ Unsynchronizable Items

These Phone Book settings are lost:

- Picture, Tone, Vibration, Illumination

### ■ Unintentional Phone Book or SAB Content Deletion

- When no Phone Book content exists, performing synchronization via **Normal**, **Sync from Client** or **Backup** deletes all SAB content.
- When no SAB content exists, performing synchronization via **Normal**, **Sync from Server** or **Restore** deletes all Phone Book content.

### ■ Phone Book ⇔ SAB Content Capacity Disparities

When the number of savable items varies between Phone Book and SAB entries, synchronization reflects lower limit.

### ■ Contract Termination

SAB content is deleted upon contract termination.

### ■ SAB Transfers to New Handsets

#### • SAB-Compatible 3G Handsets

SAB remains as last saved and is fully accessible.

#### • Other SoftBank 3G Handsets

SAB remains as last saved and is accessible via PC.

#### • V8 Series

Service contract is terminated and SAB content is deleted.

### ■ When Double Number is Active

Regardless of usage mode setting, all Phone Book content is backed up.

## Advanced

- Canceling auto synchronization (P.15-29)

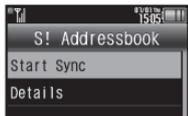


## Using Sync Commands

### Normal (Start Sync)

Synchronize Phone Book and SAB via Normal.

- 1 ➔ **Phone** ➔ ➔ **S! Addressbook Back-up** ➔



S! Addressbook Menu

- 2 **Start Sync** ➔
  - Synchronization starts; when complete, details appear.
- 3 ➔ **Synchronization complete**

#### Canceling Synchronization

- ➔ **Yes** ➔

### Other Sync Commands

Available Commands:

<b>Sync from Client</b>	Add Phone Book changes to SAB
<b>Backup</b>	Export Phone Book content to SAB; any existing SAB content is deleted
<b>Sync from Server</b>	Add SAB changes to Phone Book
<b>Restore</b>	Import SAB content to Phone Book; any existing Phone Book content is deleted

If this is your first use of SAB (new handset), synchronization is performed via Normal regardless of selection.

- 1 **In S! Addressbook menu, Details** ➔
- 2 **Backup/Restore** ➔

- 3 **Select command** ➔
  - Synchronization starts; when complete, details appear.

- 4 ➔ **Synchronization complete**

#### Canceling Synchronization

- ➔ **Yes** ➔

### Advanced

- Changing auto synchronization settings • Opening log • Deleting log records (P.15-29)

Wi-Fi	
■ General	
Subscribing to Keitai Wi-Fi (Japanese)	<ul style="list-style-type: none"> <li>● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Application → ●</li> <li>● Follow onscreen instructions.</li> </ul>
Disabling Wi-Fi	<ul style="list-style-type: none"> <li>● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Switch On/Off → ● → Off → ●</li> <li>● Wi-Fi is disabled (set to <b>Off</b>) automatically after a period of disuse.</li> <li>● Set to <b>Off</b> when not using Wi-Fi to extend Battery Time.</li> </ul>
Showing confirmation when switching networks	<ul style="list-style-type: none"> <li>● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Common Settings → ● → Switch Notification → ● → Switch from 3G to Wi-Fi or Switch from Wi-Fi to 3G → ● → On → ●</li> </ul>
Protecting access point information by Handset Code	<ul style="list-style-type: none"> <li>● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Common Settings → ● → Handset Code Lock Setting → ● → On → ●</li> <li>● Handset Code is required to re-select <b>Off</b>.</li> </ul>
Specifying channel range	<ul style="list-style-type: none"> <li>● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Common Settings → ● → Channel Range → ● → Select range → ●</li> <li>● In some countries, there are restrictions on available channels. Select channel range accordingly while outside Japan.</li> </ul>
Opening access point properties	<ul style="list-style-type: none"> <li>● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Connect Information → ●</li> </ul>
Opening Wi-Fi-related handset properties	<ul style="list-style-type: none"> <li>● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Show MAC Address → ●</li> </ul>

Opening Keitai Wi-Fi information (Japanese)	<ul style="list-style-type: none"> <li>● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → What's Keitai Wi-Fi? → ●</li> <li>● Follow onscreen instructions.</li> </ul>
---	--

## ■ Managing Access Points

Managing registered access points	<ul style="list-style-type: none"> <li>[Start Here] ● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Profile List → ● → Select access point → ☺ → See below</li> </ul>
	<p><b>Changing Priority</b></p> <ul style="list-style-type: none"> <li>Change Priority → ● → Select target location → ●</li> </ul>
	<p><b>Editing</b></p> <ul style="list-style-type: none"> <li>Edit → ● → Complete fields → ☺</li> </ul>
	<p><b>Deleting</b></p> <ul style="list-style-type: none"> <li>Delete → ● → Yes → ●</li> </ul>

## ■ Advanced Settings

When finished with Advanced Settings, complete other fields to register an access point.

Setting IP address	<ul style="list-style-type: none"> <li>[Start Here] ● → Tools → ● → ☺ Connectivity → Wi-Fi → ● → Create Profile → ● → Manual → ● → Advanced Settings → ● → IP Settings → ● → IP Address → ● → Manual → ● → See below</li> </ul>
	<p><b>Entering IP Address</b></p> <ul style="list-style-type: none"> <li>IP Address → ● → Enter numbers → ● → ☺</li> </ul>
	<p><b>Entering Subnet Mask</b></p> <ul style="list-style-type: none"> <li>Subnet Mask → ● → Enter numbers → ● → ☺</li> </ul>
	<p><b>Entering Default Gateway</b></p> <ul style="list-style-type: none"> <li>Default Gateway → ● → Enter numbers → ● → ☺</li> </ul>



Setting DNS server addresses	<p>Start Here → Tools → Connectivity → Wi-Fi → Create Profile → Manual → Advanced Settings → IP Settings → DNS Server Address → Manual → See below</p>
	<p><b>Entering Primary DNS</b>                  Primary DNS → Enter numbers → Yr</p>
	<p><b>Entering Secondary DNS</b>                  Secondary DNS → Enter numbers → Yr</p>

### Infrared

Sending My Details	<p>Send My Card → Via Infrared → Yes → Transfer starts</p>
Sending non-Phone Book files	<p>In file list, select file → Send (or Send/Blog) → Via Infrared → Yes → Transfer starts</p>
Disabling image size reduction for IrSS Transfer	<p>Tools → Connectivity → Infrared → IrSS Key Setting → Send via IrSS</p>

### IC Transmission

Disabling one file reception	<p>Tools → Connectivity → IC Transmission → 1 File Reception → Off(Disabled)</p>
Sending My Details	<p>Send My Card → Via IC Transmission → Yes → Transfer starts</p>
Sending non-Phone Book files	<p>In file list, select file → Send (or Send/Blog) → Via IC Transmission → Yes → Transfer starts</p>

### Bluetooth®

#### ■ General

Cloaking handset to avoid connection requests	<p>Tools → Connectivity → Bluetooth → My Device Settings → Visibility → Hide My Phone</p>
Setting idle time after which Bluetooth® is canceled	<p>Tools → Connectivity → Bluetooth → My Device Settings → Bluetooth Timeout → Select time</p>
Switching audio output to wireless device	<p>Tools → Connectivity → Bluetooth → My Device Settings → Sound Output → Bluetooth Device</p> <p>• Bluetooth Device is set automatically when connection is made from wireless Headphones.</p>
Changing Bluetooth® name for handset	<p>Tools → Connectivity → Bluetooth → My Device Settings → Device Name → Enter name</p>
Using handsfree device as primary means of conversation	<p>Tools → Connectivity → Bluetooth → My Device Settings → Handsfree Setting → Handsfree Mode</p>



Avoiding connection requests from Bluetooth®-compatible S! Applications in Standby, etc.	<ul style="list-style-type: none"> <li>Tools → Connectivity → Bluetooth → My Device Settings → S! Appli Request → Off</li> </ul>
Receiving connection requests while connected to a device	<ul style="list-style-type: none"> <li>Tools → Connectivity → Bluetooth → My Device Settings → Plural Connect Standby → On</li> </ul>
Opening Bluetooth®-related handset properties	<ul style="list-style-type: none"> <li>Tools → Connectivity → Bluetooth → My Device Details</li> <li>Press  to view service details.</li> </ul>
Activating Bluetooth® via Main Menu	<ul style="list-style-type: none"> <li>Tools → Connectivity → Bluetooth → Switch On/Off → On</li> </ul>

### Bluetooth® Watches

Synchronizing Bluetooth® watch with handset Clock	<ul style="list-style-type: none"> <li>Tools → Connectivity → Bluetooth → Setting Watch → Set BT-Watch Time → Yes</li> <li>Connect handset to a Bluetooth® watch beforehand.</li> </ul>
Enabling/disabling Bluetooth® watch responses	<ul style="list-style-type: none"> <li>Tools → Connectivity → Bluetooth → Setting Watch → Notification → Select item → Permit or Prohibit</li> <li>Register a Bluetooth® watch beforehand.</li> </ul>

### Paired Devices

	<ul style="list-style-type: none"> <li>Start Here → Tools → Connectivity → Bluetooth → Paired Devices → Select device → See below</li> </ul>
Editing Paired Device list	<ul style="list-style-type: none"> <li>Renaming Paired Devices           <ul style="list-style-type: none"> <li>Change Name → Enter name</li> </ul> </li> <li>Deleting Paired Devices           <ul style="list-style-type: none"> <li>Delete → Yes</li> <li>To delete a device connected to handset, choose Yes and press .</li> </ul> </li> </ul>
Disconnecting handsfree devices, etc.	<ul style="list-style-type: none"> <li>Tools → Connectivity → Bluetooth → Paired Devices → Select connected device</li> </ul>
Connecting devices supporting handsfree telephony and audio output by service	<ul style="list-style-type: none"> <li>Tools → Connectivity → Bluetooth → Paired Devices → Select device → Select Service → Handsfree function or Audio function</li> </ul>
Specifying a preferred device for wireless connection	<ul style="list-style-type: none"> <li>Start Here → Tools → Connectivity → Bluetooth → Paired Devices → Select device → Set to Prior Connect → See below</li> <li>For Handsfree Telephony           <ul style="list-style-type: none"> <li>Handsfree On</li> <li>For <b>Handsfree On</b>, specified device reconnects to handset when placing/receiving calls.</li> </ul> </li> <li>For Audio Output           <ul style="list-style-type: none"> <li>Audio On</li> <li>For <b>Audio On</b>, Media Player/TV audio output is redirected to specified device automatically when  Sound Output is set to <b>Bluetooth Device</b>.</li> </ul> </li> </ul>



## ■ Sending Files

Sending My Details	<ul style="list-style-type: none"> <li>● → 0 → ☰ → <i>Send My Card</i> → ● → <i>Via Bluetooth</i> → ● → <i>Select device</i> → ● → <i>Yes</i> → ● → <i>Transfer starts</i></li> </ul>
Sending non-Phone Book files	<ul style="list-style-type: none"> <li>In file list, select file → ☰ → <i>Send (or Send/ Blog)</i> → ● → <i>Via Bluetooth</i> → ● → <i>Select device</i> → ● → <i>Yes</i> → ● → <i>Transfer starts</i></li> </ul>

## HDMI Connection

Changing output size	<ul style="list-style-type: none"> <li>● → <i>Tools</i> → ● → ☰ <i>Connectivity</i> → <i>HDMI Connection</i> → ● → <i>HDMI Output Size Setting</i> → ● → <i>Prio Full HD</i> → ●</li> </ul>
Showing incoming calls on TV during HDMI connection	<ul style="list-style-type: none"> <li>● → <i>Tools</i> → ● → ☰ <i>Connectivity</i> → <i>HDMI Connection</i> → ● → <i>HDMI Output Incoming Call</i> → ● → <i>Display TV Screen</i> → ●</li> </ul>
Changing AQUOS Familink settings	<ul style="list-style-type: none"> <li><small>(Start Here)</small> ● → <i>Tools</i> → ● → ☰ <i>Connectivity</i> → <i>HDMI Connection</i> → ● → <i>AQUOS Familink Setting</i> → ● → <i>See below</i></li> </ul>
	<ul style="list-style-type: none"> <li><i>Disabling TV Remote Text Entry Input Remote-Control Text</i> → ● → <i>Off</i> → ●</li> </ul>
	<ul style="list-style-type: none"> <li><i>Disabling Automatic Familink Detection while Charging Charging Auto Find</i> → ● → <i>Off</i> → ●</li> </ul>

## Backup

## ■ Backup &amp; Restore

Backing up all items	<ul style="list-style-type: none"> <li>● → <i>Settings</i> → ● → ☰ <i>Phone/</i> → <i>Backup/Restore</i> → ● → <i>Backup All Items</i> → ● → <i>Enter Handset Code</i> → ● → <i>Yes</i> → ● → <i>Yes</i> → ● → <i>Backup complete</i> → ● → ●</li> </ul>
Changing backup location for Data Folder files	<ul style="list-style-type: none"> <li>● → <i>Settings</i> → ● → ☰ <i>Phone/</i> → <i>Backup/Restore</i> → ● → <i>Settings</i> → ● → <i>Data Folder Backup</i> → ● → <i>Data Folder</i> → ●</li> </ul>
Selecting Phone Book picture backup option	<ul style="list-style-type: none"> <li>● → <i>Settings</i> → ● → ☰ <i>Phone/</i> → <i>Backup/Restore</i> → ● → <i>Settings</i> → ● → <i>Ph.BookPhoto Backup</i> → ● → <i>Save Picture File</i> → ●</li> </ul>
Encoding data for backup	<ul style="list-style-type: none"> <li>● → <i>Settings</i> → ● → ☰ <i>Phone/</i> → <i>Backup/Restore</i> → ● → <i>Settings</i> → ● → <i>Encode Settings</i> → ● → <i>Select item</i> → ● → <i>On</i> → ●</li> </ul> <ul style="list-style-type: none"> <li>● Available for Phone Book, Calendar, Tasks, Messaging folders and Data Folder files.</li> </ul>
Restoring all items	<ul style="list-style-type: none"> <li>● → <i>Settings</i> → ● → ☰ <i>Phone/</i> → <i>Backup/Restore</i> → ● → <i>Restore All Items</i> → ● → <i>Yes</i> → ● → <i>Yes</i> → ● → <i>Restore complete</i> → ● → ●</li> </ul>
Restoring individual files	<ul style="list-style-type: none"> <li>● → <i>Settings</i> → ● → ☰ <i>Phone/</i> → <i>Backup/Restore</i> → ● → <i>File Management</i> → ● → <i>Select item</i> → ● → <i>Select file</i> → ☰ → <i>Restore</i> → ● → <i>Phone or Memory Card</i> → ●</li> </ul> <ul style="list-style-type: none"> <li>● Available for Data Folder files.</li> </ul>



## Backup Files

Deleting backup files	<p><b>Start Here</b> ● → <i>Settings</i> → ● → <i>Phone</i> </p> <p>→ <i>Backup/Restore</i> → ● → <i>File Management</i></p> <p>→ ● → See below</p>
	<p><b>Data Folder Files</b></p> <p>Select item → ● → Select file →  → <i>Delete</i></p> <p>→ ● → Yes → ●</p>
	<p><b>Other Files</b></p> <p>Select item → ● → Select file → ●  </p> <p>Complete selection →  → Yes → ●</p>

## S! Addressbook Back-up

Canceling auto synchronization	<p>● → <i>Phone</i> → ● → <i>S! Addressbook Back-up</i></p> <p>→ ● → <i>Details</i> → ● → <i>Auto Sync Settings</i> → ●</p> <p>→ ● → <i>Set On/Off</i> → ● → <i>Off</i> → ● → </p>
Changing auto synchronization settings	<p><b>Start Here</b> ● → <i>Phone</i> → ● → <i>S! Addressbook Back-up</i> → ● → <i>Details</i> → ● → <i>Auto Sync Settings</i> → ● → See below</p> <ul style="list-style-type: none"> <li>● Set <i>Set On/Off</i> to <i>On</i> beforehand.</li> </ul>
	<p><b>Changing Auto Sync Frequency</b></p> <p><i>Set Frequency</i> → ● → Select frequency → ●</p> <p>→ Enter/select date/time/day of the week → ●</p> <p>→ </p> <ul style="list-style-type: none"> <li>● For <i>After Editing Ph.Book(10 min.)</i>, omit steps for date, time, etc.</li> </ul>
	<p><b>Changing Auto Sync Command</b></p> <p><i>Sync Mode Setting</i> → ● → Select command → ● → </p>

Opening log	<p>● → <i>Phone</i> → ● → <i>S! Addressbook Back-up</i></p> <p>→ ● → <i>Details</i> → ● → <i>Sync Log</i> → ● →</p> <p>Select record → ●</p>
Deleting log records	<p><b>Start Here</b> ● → <i>Phone</i> → ● → <i>S! Addressbook Back-up</i> → ● → <i>Details</i> → ● → <i>Sync Log</i> → ● → See below</p>
	<p><b>One Record</b></p> <p>Select record →  → <i>Delete</i> → ● → Yes → ●</p>
	<p><b>All Records</b></p> <p> → <i>Delete All</i> → ● → Yes → ●</p>





## Wi-Fi

### ? Wi-Fi disconnects

- Connection is interrupted automatically if Display goes dark after a period of inactivity; restored when Display reactivates.

### ? Cannot connect to Wi-Fi

- Depending on access point settings, handset may not connect to Wi-Fi when powered on outside 3G range. In this case, pass through the 3G service area carrying the handset and retry.

### ? Login page opens when using public wireless LAN service

- Some public wireless LAN services require authentication via Direct Browser. Enter corresponding user ID/password.

## File Transfer

### ? Some files are not received

- If storage limit is reached during transfers, remaining files will not be received.

### ? Cannot receive/accept connection requests even when Infrared/Bluetooth® is On

- Handset may not be in Standby.
- Keypad Lock/Function Lock may be active.
- Software Update may be in progress.

### ? Phone Book settings are lost

- One file transfer resets these settings:
  - Category, Tone/Video, Illumination, Vibration, Secret
- Picture setting may be lost depending on image; send the image separately and reassign it.

### ? Calendar/Tasks settings are lost

- One file transfer resets these settings:
  - Alarm tone/video, Secret, S! Friend's Status

### ? Bookmarks are not saved properly

- Large Bookmarks may not be received correctly.
- Streaming Bookmarks are saved as Yahoo! Keitai Bookmarks.

### ? Messages are not saved properly on handset

- Messages may not be received depending on the size.
- Messages received via One File Transfer are saved to Data Folder (Other Documents) and cannot be used as messages.
- Sky Mail may be received as S! Mail when transferred from other SoftBank handsets via All File Transfer.
- In All File Transfers, overwriting messaging folders deletes sort keys.

### ? Messages are not saved properly on recipient devices

- Mail Notices are saved as messages, invalidating complete message retrieval.
- When sending messages to other handset models via All File Transfer, Spam Folder messages may be saved to the incoming message folder.
- When sending messages in Drafts to other handset models via All File Transfer, only the first entered recipient may remain or SMS addressed to multiple recipients may not be saved.

### ? Cannot find files in DCIM folder

- Received files in DCIM folder are saved to Pictures folder.

## Infrared

### ? Infrared transfer fails

- Infrared Port may be obstructed by dust, etc.; clean with soft cloth.
- Transfers may fail in direct sunlight, under fluorescent lighting or near infrared equipment.

## Backup & Restore

### ? Backup fails

- Check handset/Memory Card memory; backup may fail if the memory is low.
- When Encode Settings for Data Folder is set to **On**, files with these extensions cannot be backed up:
  - .txt, .vbm, .url, .htm, .html, .xml, .xhtml

### ? Some files are not restored

- If storage limit is reached during Restore, remaining files will not be restored.

### ? Cannot use backup files on other SoftBank handsets or PCs

- Some backup files may not be usable on other SoftBank handsets or PCs.

### ? Cannot open backup files

- Some backup files may open only after being restored to handset.

### ? Phone Book settings are lost

- Picture setting may be lost depending on image; reassign it.

### ? Messages are not saved properly

- Transfer may delete sort keys.
- Mail Notices are restored as messages, invalidating complete message retrieval.

### ? Bookmarks are not saved properly

- Yahoo! Keitai, Streaming and PC Site Browser/Direct Browser Bookmarks are all backed up as a single file.
- Streaming Bookmarks are saved as Yahoo! Keitai Bookmarks.

## ■ Exporting Backed Up Data to Other SoftBank Handsets

### ? Messages are not saved properly

- If spam filter is available on recipient handset, Spam Folder messages are saved in spam folder regardless of the setting. (If unavailable, they are saved as normal received messages.)
- When restoring draft messages, only the first entered recipient may remain or SMS addressed to multiple recipients may not be saved.

## ■ Importing Data Backed Up on Other SoftBank Handsets

### ? Messages are not saved properly

- Messages may not be restored depending on the size.
- Sky Mail may be restored as S! Mail.

