PC Connection

Refer to "Manual for PC Connection" in PDF format in the accompanying CD-ROM* or in DOCOMO website for details on data communication.
Adobe® Reader® is required to view "Manual for PC Connection" in PDF format. Install it from the accompanying CD-ROM to your PC if not installed. Refer to "Adobe Reader Help" for details on how to use the software.

* Place the accompanying CD-ROM in the PC and the initial screen appears. Click [取扱説明書] (User's Manual)▶[パソコン接続マニュアル (PDFファイル)] (Manual for PC Connection (PDF file)).
If the initial screen does not appear, click [マイコンピュータ] (My Computer)▶ select and right-click [FOMA_SH906iTV], click [エクスプローラ] (Explorer), double-click [manual] and double-click [SH906iTV_E_Manual.pdf].
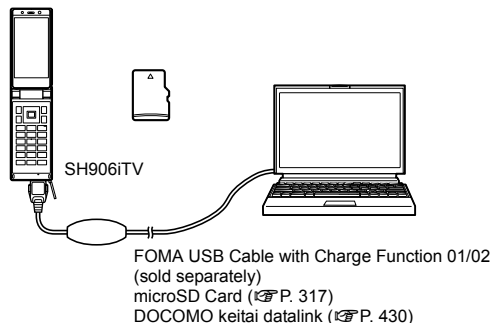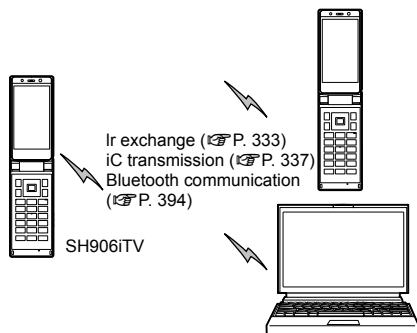
Data communication

Data communication available from the FOMA terminal

The FOMA terminal communication formats fall into three categories: packet transmission, 64K data communication and data transfer.
- The FOMA terminal does not support fax transmissions.
- The FOMA terminal supports data communication with musea, sigmarion Ⅱ and sigmarion Ⅲ. However, the data is sent/received at the maximum speed of 384 kbps. The high-speed communication for HIGH-SPEED area is not supported. Update musea and sigmarion Ⅱ before using.
  Refer to the DOCOMO website for details on how to update.
- The FOMA terminal is not compatible with Remote Wakeup.
- Unable to use 64K data communication by connecting a PC, etc. overseas.
- To use packet transmission overseas, communicate with IP connection (PPP connection is not available for packet transmission).

■ Data transfer (OBEX™ communication)

Send or receive data such as images, music, phonebook entries, and messages between the FOMA terminal and another FOMA terminal or PC, etc.

Ir exchange (☞P. 333)
iC transmission (☞P. 337)
Bluetooth communication (☞P. 394)

SH906iTV

SH906iTV

FOMA USB Cable with Charge Function 01/02 (sold separately)
microSD Card (☞P. 317)
DOCOMO keitai datalink (☞P. 430)

■ Packet transmission

Charges incurred are based on the amount of data sent and received. When you are only connected to the network and are not sending or receiving data, no communication charges are incurred. Remain connected to the network, with no charge, and only send or receive data when necessary.

Uses access points that are compatible with FOMA packet transmission, such as the DOCOMO Internet connection services "mopera U" and "mopera", and performs the data transmission (A best-effort system is provided in which transmission speeds vary depending on the transmission environment and network traffic conditions).
- For the packet transmission using mopera U, the data can be sent and received at speeds up to 384 kbps and 3.6 Mbps respectively.
- The data is sent and received at the maximum speed of 384 kbps outside the FOMA HIGH-SPEED area or when the packet transmission is performed using mopera.

For a packet transmission, connect the FOMA terminal to a device such as a PC using FOMA USB Cable with Charge Function 01/02 (sold separately) or Bluetooth function and perform appropriate settings. Best suited for when sending and receiving mail text data or other relatively small amounts of data at high speeds.

Note that sending or receiving large files will lead to higher transmission charges.

Making voice calls while performing packet transmissions with a PC or other devices is possible (☞P. 366).

■ 64K data communication

Charges incurred are based on the connection time. Uses access points that are compatible with FOMA 64K data communication, such as the DOCOMO Internet communication services "mopera U" and "mopera", or a synchronous ISDN 64K access point.

For 64K data communication, connect the FOMA terminal to a device such as a PC using FOMA USB Cable with Charge Function 01/02 or Bluetooth function and perform appropriate settings. Best suited for sending and receiving relatively large amounts of data, such as downloading Data box contents.

Note that a long-time communication leads to higher transmission charges.

Things to keep in mind

■ Internet service provider fees

When using the Internet, usage fees are charged by the Internet service provider. These usage fees, paid to the Internet service provider, are separate from the FOMA service fee. Contact your Internet service provider for more information about usage fees.

Use the DOCOMO Internet connection services "mopera U" and "mopera". Subscription to "mopera U" requires a charge.

■ Host (Internet service provider, etc.) settings

Hosts for a packet transmission and 64K data communication differ. For a packet transmission, use a host that supports the FOMA packet transmission, and for a 64K data communication, use a host that supports the FOMA 64K data communication or synchronous ISDN 64K communication.

● Connecting to DoPa access points is not possible.

■ User authentication

Depending on the host, a user authentication (ID and password) may be necessary when connecting. In such cases, enter your ID and password using a communication software (dial-up network) to connect. Your ID and password are provided by your host Internet service provider or host network administrator. Contact your host Internet service provider or host network administrator for more information.

■ Packet transmission and 64K data communication conditions

The following conditions are necessary for a data transmission (packet transmission/64K data communication) using the FOMA terminal in Japan.

● The PC must support the FOMA USB Cable with Charge Function 01/02.
● When using Bluetooth function, PC must be compatible with Bluetooth specification ver. 2.0+EDR (Dial-up Networking Profile).
● Must be within the FOMA service area.
● For a packet transmission, the access point must be compatible with the FOMA packet transmission.
● For a 64K data communication, the host must support the FOMA 64K data communication or synchronous ISDN 64K communication.

However, even if above conditions are met, communication may not be possible due to a busy base station or poor signal conditions.

Note

● When performing a packet transmission, the device connected to your FOMA terminal must be a JATE (Japan Approvals Institute for Telecommunications Equipment) authorized product.

Before use

Operating environment

The following lists the operating requirements for using data communications.

Item	System requirements	
	FOMA communication setting file FOMA PC setup software	**FirstPass PC software**
PC	PC/AT compatible When using FOMA USB Cable with Charge Function 01/02 (sold separately): A USB port (USB specification 1.1/2.0-compliant) When using Bluetooth function: Bluetooth specification ver. 2.0+EDR-compliant (Dial-up Networking Profile)	PC/AT compatible
OS	Windows 2000, Windows XP, Windows Vista (all Japanese versions)	
Required memory*	Windows 2000: At least 64 MB Windows XP: At least 128 MB Windows Vista: At least 512 MB	Windows 2000: At least 32 MB Windows XP: At least 128 MB Windows Vista: At least 512 MB
Hard disk*	At least 5 MB free space	At least 10 MB free space
Browser	–	Windows 2000, Windows XP: Internet Explorer 6.0 or later Windows Vista: Internet Explorer 7.0 or later

* Required memory and hard disk are for the "FOMA PC setup software" and "FirstPass PC software" operating environment. May differ depending on the PC system configuration.

- The operation in an upgraded OS cannot be guaranteed.
- Depending on the operating environment, the use of the software may not be possible. DOCOMO holds no responsibility for responding to inquiries or guaranteeing operation in environments other than those specified above.

Required equipment

The following hardware and software are required besides the FOMA terminal and a PC.
- FOMA USB Cable with Charge Function 01/02 (sold separately)* or FOMA USB Cable (sold separately)*
- CD-ROM "FOMA SH906iTV CD-ROM" (accessory)
* For USB connection

Note

- Use a dedicated USB cable "FOMA USB Cable with Charge Function 01/02" or "FOMA USB Cable". USB cables for PC are not available since the connector shape is different.
- The use of USB HUB may not work correctly.

General flow to prepare for data transfer (OBEX™ communication)

FOMA USB Cable with Charge Function 01/02 (sold separately) is required to install the FOMA communication setting file.

Download and install the FOMA communication setting file
- Install from the accompanying CD-ROM
- Download and install from the DOCOMO website

Data transfer

General flow to prepare for data communication

This section describes the preparation required to connect the FOMA terminal to your PC, and use a packet transmission and 64K data communication. The general flow is as shown below.

For USB connection

Download and install the FOMA communication setting file

- Install from the accompanying CD-ROM
- Download and install from the DOCOMO website

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Connect the FOMA terminal to your PC using FOMA USB Cable with Charge Function 01/02 (sold separately) (☞P. 326)

↓

Confirm installation

For Bluetooth connection

Connect the FOMA terminal wirelessly to your PC using Bluetooth function

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Confirm the modem

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Install the FOMA PC setup software

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Set up a packet transmission using かんたん設定 (Easy settings)	**Set up a 64K data communication using かんたん設定 (Easy settings)**
● mopera U or mopera* ● Other providers	● mopera U or mopera* ● Other providers

↓

Connect

↓

Set up a communication without using the FOMA PC setup software

● Packet transmissions ● 64K data communications

↓

Connect

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* Use "mopera U" (subscription necessary) for broadband Internet connection, etc. Subscribe to a plan that only charges for months which the service was used. Also available is "mopera", a simple Internet connection service with no subscription necessary.

FOMA communication setting file

To connect the FOMA terminal to your PC via FOMA USB Cable with Charge Function 01/02 for a data communication, installation of the FOMA communication setting file from the accompanying CD-ROM is required.

Preparing Bluetooth connection

Make data communication by connecting the FOMA terminal wirelessly to a Bluetooth communication compatible PC.
● For details on Bluetooth connection ☞P. 386

FOMA PC setup software/FirstPass PC software

Install the FOMA PC setup software from the accompanying CD-ROM to a PC and make a variety of necessary settings to perform a packet transmission and 64K data communication connecting the FOMA terminal to the PC.
The FirstPass PC software enables access to FirstPass supported sites via a PC Web browser with user certificates obtained by the FOMA terminal.
Refer to FirstPassManual on the CD-ROM for details. Adobe® Reader® (version 6.0 or later is recommended) is required to view "FirstPassManual" (PDF format).

AT commands

AT commands are commands used to set the FOMA terminal functions from a PC. When AT commands are entered from a PC, the FOMA terminal performs the corresponding operations.
Refer to "Manual for PC Connection" in the accompanying CD-ROM for details on AT commands.

CD-ROM

The accompanying CD-ROM in this manual contains the software for data transmissions on the FOMA terminal and the manuals (in PDF format) such as "Manual for PC Connection" and "Kuten Code List". Refer to the accompanying CD-ROM for details.

■ Contained software and PDF

- FOMA通信設定ファイル
- FOMA PC設定ソフト
- FOMAバイトカウンタ
- ドコモケータイdatalinkのご案内
- ｉモード.net 新着確認ツールのご案内
- FirstPass PCソフト
- mopera Uのご案内 (mopera Uかんたんスタート/U かんたん接続設定ソフト/FOMAバイトカウンタ/U オリジナルデータ取得ソフト)
- ナップスター®のご案内
- パソコン接続マニュアル and "Manual for PC Connection" in PDF format
- 区点コード一覧 and "Kuten Code List" in PDF format
- Adobe® Reader®
- 内蔵辞書 (for Manga&BookReader)

The following warning message may appear when a CD-ROM is set in a PC. This warning is shown by the security setting of Internet Explorer but does not cause any problem for use.

Click [はい] (Yes).

- The following screen is an example for Windows XP. The screen depends on your PC.

DOCOMO keitai datalink

Use the DOCOMO keitai datalink software to back up the data such as "phonebook" and "mail" from the user's mobile phone to a PC and edit them. The software can be downloaded from the DOCOMO website. Refer to the following URL for details and downloading. Alternatively, access the following page using the accompanying CD-ROM.
http://datalink.nttdocomo.co.jp/

※ The DOCOMO keitai datalink is only available in Japanese.

Refer to the web page above for details on downloading, transferable data, operating environment such as compatible OS, installing and operating instructions, restrictions, etc.
Refer to the software's help feature for the operation procedure after installation.
A FOMA USB Cable (sold separately) is required to use the DOCOMO keitai datalink.