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Web UI Guide

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Overview

Web UI is a function to confirm and change Mobile Router's settings via wireless connection.

Besides Web UI, Utility Software functions to confirm and change Mobile Router's settings. For details on Utility Software, see Chapter 6 "Utility Software Guide".

In Bridge Mode, Web UI is not connectable. Set to Normal Mode and connect. To set to Normal Mode, power Off and restart Mobile Router. For Nintendo DS series, PSP and other game devices, Web UI may not be available for use.

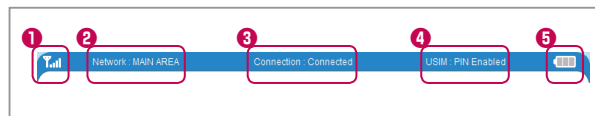
Activating Web UI

- 1 Power on PC
- 2 Connect Mobile Router via WLAN
- 3 Activate web browser
- 4 Enter URL (<http://192.168.1.1>)
- 5 Enter ID and Password to Login

The default ID is "user" and Password is "0000". To change them, see "System Setting" (P.5-16).

A screenshot of the 'Router LOGIN' web interface. At the top, there is a blue header bar. Below it, a white box contains the text 'Router LOGIN'. Underneath, there is a 'LOGIN' section with a small icon of a document. Below this, there are two input fields: 'ID' and 'Password'. The 'ID' field has a cursor in it. Below the input fields is a button labeled 'Input'.

■ Status Screen



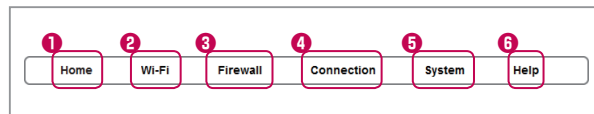
No.	Item	Description
1	Signal Strength	Signal Strength of 3G or 4G network
2	Available Service	MAIN AREA: SoftBank data transfers service is available.
3	Connection Status	Connection status (Standby, Connecting, Connected, etc.)
4	USIM Status	USIM status (No USIM Card, Invalid USIM, Enter PIN, PIN Enabled, etc.)
5	Battery Strength	Status of Battery strength

Signal Strength	
No service	
Very weak	
Weak	
Normal	
Strong	

Battery Strength	
0	
1	
2	
3	
Charging	
Fully charged	

■ Main Menu

Consists of 6 categories: Home, Wi-Fi, Firewall, Connection, System, Help.
Show Sub menus by moving mouse cursor over main menus.



No.	Item	Description
1	Home	Statuses of WAN, Wi-Fi, version, device etc.
2	Wi-Fi	WPS setting, Wi-Fi setting, Security setting, IP address/DHCP server
3	Firewall	Filtering, Port mapping, DMZ, UPnP
4	Connection	NETWORK (MAIN AREA), 4G/3G network, USIM
5	System	F/W upgrade, System setting, Language
6	Help	Website Information

Verification/Changing of Settings

■ Home

After login, view status for WAN, Wi-Fi, Version and Device information.

The screenshot shows the SoftBank Web UI Home page. At the top, there's a status bar with 'Network: MAN AREA', 'Connection: Connected', and 'USB: PIN Enabled'. Below this is a navigation menu with 'Home', 'Wi-Fi', 'Firewall', 'Connection', 'System', and 'Help'. The main content area is titled 'System State Information' and contains four sections: WAN Status, Wi-Fi Status, Version, and Device Info. Each section displays various system parameters and their current values.

WAN Status	
WAN IP Address	192.168.1.100
DNS Address	192.168.1.1
Phone Number	090-1234-5678
Received Data Packets	42,385 KB
Transmitted Data Packets	13,159 KB
Connection Time	00:01:30

Wi-Fi Status	
SSID	101SI-XXXXXXXXXX
Multi SSID	101SIb-XXXXXXXXXX
Number of Connected Wi-Fi Clients	1
Encryption for SSID	WPA2PSK
Encryption for Multi SSID	WEP

Version	
AP Firmware Version	0.0.0.0
Modem Firmware Version	0.0.0.0

Device Info.	
Local IP Address	192.168.1.1
Local Netmask	255.255.255.0
MAC Address	00:00:00:00:00:00
IMEI	0000000000000000

Item	Description	Option
WAN IP Address	Allocated IP address when connected to Internet.	-
DNS Address	Connect DNS address. Change in main menu Wi-Fi .	-
Phone Number	User's telephone number.	-
Received Data Packets	Reception (downloads) packet volumes.	-
Transmitted Data Packets	Transmission (uploads) packet volumes.	-
Connection Time	Connection times.	-
SSID	SSID. Change in main menu Wi-Fi .	-
Multi SSID	Multi-SSID. Change in main menu Wi-Fi .	-
Number of Connected Wi-Fi Clients	Number of devices connected to WLAN. In Normal Mode connect up to ten devices.	-
Encryption for SSID	SSID Encryption Mode. Change in main menu Wi-Fi .	-
Encryption for Multi SSID	Multi-SSID Encryption Mode. Change in main menu Wi-Fi .	-
AP Firmware Version	AP firmware version. Upgrade in main menu System .	-
Modem Firmware Version	Modem firmware version. Upgrade in main menu System .	-
Local IP Address	IP address when Web UI is connected. Change in main menu Wi-Fi .	-
Local Netmask	Subnet mask when Web UI is connected. Change in main menu Wi-Fi .	-
MAC Address	MAC address for Mobile Router.	-
IMEI	IMEI (International Mobile Equipment Identifier) for Mobile Router.	-

Web UI Guide

Wi-Fi

Set WPS, Wi-Fi, Security and IP address/DHCP server.

WPS Setting

Enable/Disable WPS and set connection method.

SoftBank

Network: MAIN AREA Connection: Connected USIM: PIN Enabled

Home Wi-Fi Firewall Connection System Help

WPS Setting

WPS Setting

WPS:

WPS Progress

WPS Mode:

AP PIN:

PIN:

WPS Status

WPS Status:

Item	Description	Option
WPS	Enable/Disable WPS.	Enable, Disable
WPS Mode	Select a WPS connection method.	PIN, PBC
AP PIN	Click Generate to generate PIN.	-
PIN	Set PIN generated in AP PIN.	-
WPS Status	WPS status.	-

Wi-Fi Setting

Set Wi-Fi settings.

SoftBank

Network: MAIN AREA Connection: Connected USIM: PIN Enabled

Home Wi-Fi Firewall Connection System Help

Wi-Fi Setting

SSID Setting

SSID: ☐ Hidden ☐ Isolated

Multi SSID: ☐ Hidden ☐ Isolated

Communication Standard Setting

Communication Standard:

Multi SSID Isolation Setting

Multi SSID Isolation: ☐ Enable ☒ Disable

Channel Setting

Frequency (Channel):

Physical Mode Setting

Operating Mode: ☒ Mixed Mode ☐ Green Field

Frequency Bandwidth: ☐ 20MHz ☒ 20MHz+40MHz

Guard Interval: ☐ Long ☒ Auto

Item	Description	Option
SSID	Set network name.	Up to 32 characters. Support (0-9, A-Z, a-z, @, _ , .)
Multi SSID	Multi Network Name	Up to 32 characters. Support (0-9, A-Z, a-z, @, _ , .)
Hidden	Hide each SSID.	-
Isolated	Prevents wireless clients from communicating with each client.	-
Communication Standard	Select Operation Mode for WLAN.	Auto(b/g/n), 11b, 11g, 11n*
Multi SSID Isolation	Prevents wireless clients from communicating with each SSID.	Enable, Disable
Frequency (Channel)	Specify frequency to select.	Auto, Channel (1 - 11)
Operating Mode	Set Operating Mode.	Mixed Mode, Green field
Frequency Bandwidth	Set Bandwidth.	20MHz, 20MHz/40MHz
Guard Interval	Set Guard Interval.	Long, Auto

* If encryption code security protocols are WEP or WPA (TKIP), 11n setting cannot be set.

See "Security Setting" (P.5-6) to change Encryption Mode.

Security Setting

Set up WLAN security.

See WLAN default setting sticker for factory default encryption key setting.

Various security settings can be set via SSID and multi-SSID. The setting methods are identical.

If Wi-Fi communication standard setting is set to "11n," Encryption Mode cannot be changed to WEP or WPA (TKIP). See "Wi-Fi Setting" (P.5-5) to change communication standard.

<WPA Setting>

- 1 In Encryption Mode select **WPA-PSK, WPA2-PSK or WPA/WPA2 Mixed**
- 2 Enter encryption key
- 3 Select either **TKIP or AES**
- 4 Click **Apply**
- 5 Setup changes are applied after reconnecting Wi-Fi

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Network: MAIN AREA Connection: Connected USIM: PIN Enabled

Home Wi-Fi Firewall Connection System Help

Security Setting

Security Setting for SSID

SSID: 1015I

Encryption Mode: WPA-PSK

Encryption Key: [Empty] TKIP AES

Apply

Item	Description	Option
Encryption Mode	Select WPA-PSK, WPA2-PSK or WPA/WPA2 Mixed.	None, WEP, WPA-PSK, WPA2-PSK, WPA/WPA2 Mixed
Encryption Key	Set a random encryption key.	Character strings can use 8 - 63 alphanumeric characters and symbols.
Algorithm	Select algorithm.	TKIP, AES

<WEP Setting>

- 1 Select WEP
- 2 Setup default key
- 3 Select key type *ASCII* or *HEX* for applicable key
- 4 Enter key in empty field
- 5 Click **Apply**
- 6 Setup changes are applied after reconnecting Wi-Fi

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Network: MAIN AREA Connection: Connected USIM: PIN Enabled

Home Wi-Fi Firewall Connection System Help

Security Setting

Security Setting for SSID

SSID: 1015I

Encryption Mode: WEP

Default Key: Key 1

WEP Key 1: ASCII

WEP Key 2: HEX

WEP Key 3: HEX

WEP Key 4: HEX

Apply

Item	Description	Option
Encryption Mode	Select WEP.	None, WEP, WPA-PSK, WPA2-PSK, WPA/WPA2 Mixed
Default Key	Select one of four WEP keys to be used.	1 - 4
WEP Key	Select WEP key type (HEX or ASCII), and set random WEP key.	For HEX the character strings can use 10 or 26 digits composed of the characters 0-9 and A-F. For ASCII the character strings can use 5 or 13 alphanumeric characters and symbols.

IP/DHCP Server Setting

IP Address/DHCP server setting.

If DHCP server is invalid, changes are not applied to the start of IP, end of IP, or lease time settings.

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Network: MAIN AREA Connection: Connected USB: PIN Enabled

Home Wi-Fi Firewall Connection System Help

IP Address/DHCP Server

LAN Interface Setting

IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

Primary DNS: 192.168.1.1

Secondary DNS:

DHCP Server: ☒ Enable ☐ Disable

Start of DHCP IP Address: 192.168.1.2

End of DHCP IP Address: 192.168.1.254

DHCP Lease Time(600~10sec): 600sec

Apply

Item	Description	Option
IP Address	Set LAN IP Address.	4 sets of numbers (0 to 255)
Subnet Mask	Set LAN Subnet Mask.	4 sets of numbers (0 to 255)
Primary DNS	Set LAN primary DNS.	-
Secondary DNS	Set LAN second DNS.	-
DHCP Server	Select DHCP Server Operation Mode.	Enable, Disable
Start/End of DHCP IP Address	Set start and end of IP address.	4 sets of numbers (0 to 255) Starting address value must be smaller than ending address value.
DHCP Lease Time (600 -) [sec]	Set IP address lease time.	-

Firewall

Set the filtering, port allocation settings, and DMZ and UPnP settings.

Filtering Setting

Set WLAN connection restrictions (Accept/Drop) via MAC addresses, IP addresses and port numbers.

Network Mobile AREA Connection Connected USB PHY Enabled

Home Wi-Fi Firewall Connection System Help

MAC/IP/Port Filtering setting

Basic Setting

MAC/IP/Port Filtering: Enable
Default Policy: Accept
Once the "MAC/IP/Port Filter List" is empty, all the terminal would be accepted.
Apply

MAC/IP/Port Filter Setting

MAC Address:
Destination IP Address:
Source IP Address:
Protocol: TCP
Port Range: -
Action: Drop
Description:
Add

MAC/IP/Port Filter List

MAC Address	Destination IP Address	Source IP Address	Protocol
00:00:00:00:00:00	192.168.1.1	192.168.1.1	TCP
Action	Port Range	Description	
Accept	192.168.1.1		

Delete

Item	Description	Option
MAC/IP/Port Filtering	Select Enable/Disable MAC/IP/Port filtering.	Enable, Disable
Default Policy	Select permit/annul for configuration not saved on MAC/IP/Port filter lists. Accept: Connectable to terminals of unsaved configuration. Drop: Not connectable to terminals of unsaved configuration.	Accept, Drop
MAC Address	Set MAC addresses to permit or annul wireless connections. * Operations may violate regular default policy.	6 sets of numbers (00 to FF)
Destination IP Address	Set transmission destination terminal IP addresses which apply the rules.	4 sets of numbers (0 to 255)
Source IP Address	Set transmission source terminal IP addresses which apply the rules.	4 sets of numbers (0 to 255)
Protocol	Select protocols which apply the rules.	TCP, UDP, ICMP, none
Port Range	Set transmission destination/transmission source port ranges which apply the rules.	-
Action	Select permit/annul for transmission destination/transmission source IP addresses, and port number filters.	Accept, Drop
Description	Input comments regarding the rules.	32 characters can be input.
MAC/IP/Port Filter List	Saved filter lists appear. Delete unneeded listed.	-

Port Mapping Setting

Set rules so that specific device port access in LAN can be controlled from Internet.

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Network: LAN AREA Connection: Connected USIM: PIN Enabled

Home Wi-Fi Firewall Connection System Help

Port Mapping

Port Mapping: Enable

Apply

Name:

IP Address:

Port Range: -

Protocol: TCP

Add

Port Forwarding List

Name	IP Address	Port Range	Protocol
<input type="text"/>	<input type="text"/>	2 - 100	TCP

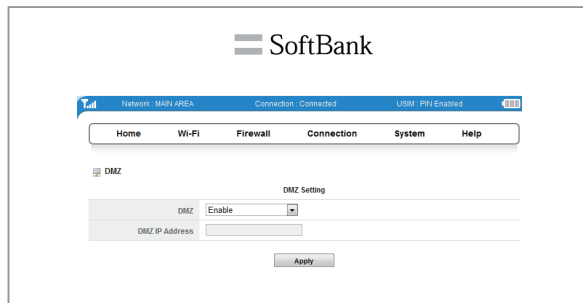
Delete

Web UI Guide

Item	Description	Option
Port Mapping	Select Operation Mode for port forwarding function.	Enable, Disable
Name	Set list registration names.	20 characters can be input.
IP Address	Set terminal IP addresses which open the ports.	4 sets of numbers (0 to 255)
Port Range	Set forwarding destination port number range.	-
Protocol	Select protocols to be used.	TCP, UDP, TCP + UDP
Port Forwarding List	Saved port forwarding rules in lists appear. Delete unneeded lists.	-

DMZ

Set a DMZ host that is isolated from other terminals as a specified terminal within LAN.



Item	Description	Option
DMZ	Select DMZ Operation Mode.	Disable, Enable
DMZ IP Address	Set DMZ host IP addresses.	4 sets of numbers (0 to 255)

UPnP

Set configuration of UPnP (Universal Plug & Play) via WLAN terminal connections within LAN.

Item	Description	Option
UPnP	Select UPnP Operation Mode.	Enable, Disable

Connection

Set configuration for network (MAIN AREA), 4G/3G network, and USIM.

NETWORK Setting (MAIN AREA)

Add/edit network (MAIN AREA) destinations for connection.

Item	Description	Option
Profile Selection	Select profile to edit/delete/add.	Factory Default: MAIN_AREA
Profile Name	Enter optional profile name.	Max Length: 14 Alphanumeric/symbols (except \)
APN	Set APN.	Max Length: 100 Alphanumeric/symbols (. -) cannot be used for first or last characters
User Name	Set user name.	Max Length: 126 Alphanumeric/symbols (except \)
Password	Set password.	Max Length: 40 Alphanumeric/symbols (except \)
Authentication	Select authentication method.	None, PAP, CHAP, PAP/CHAP
Add	Add a new profile to list.	-
Edit	Edit a profile in list.	-
Delete	Delete a profile from list.	-
Default	Set default profile.	-
Connection setting (Connect)	When network is disconnected, click to connect network.	-

<Adding Access Points>

- 1 In **Profile selection**, select ...
- 2 Input profile name, APN, user name and password
- 3 Click **Add** to add access points

<Editing Access Points>

- 1 In **Profile selection**, select already saved profile
- 2 Change, name, APN, user name and password
- 3 Click **Edit** to save changes

Here if **Add** is clicked, access points are added. If no changes are made and **Add** is clicked, then same access point details are added.

<Deleting Access Points>

- 1 In **Profile selection**, select already saved profile
- 2 Click **Delete** to delete access points

<Default Settings>

- 1 In **Profile selection**, select already saved profile
- 2 Click **Default**, and selected access point that is used to connect to Internet is stipulated as default

4G/3G Network

Select connection destination network (4G/3G).

Item	Description	Option
ACT Select	Select Network Mode.	Auto* MAIN AREA (4G/3G) MAIN AREA (4G Single) MAIN AREA (3G Single) SUB AREA (3G Single)*

* Cannot be changed with Mobile Router.

USIM

Enable/Disable PIN Authentication, or change PIN. (See "PIN" in "General Notes".)

Item	Description	Option
PIN status	Toggle between Enable/Disable PIN Authentication.	Enable, Disable
PIN Code	Input current PIN when toggling between Enable/Disable PIN Authentication.	4-8 digit numbers
Current PIN*	When changing PIN, input current PIN.	4-8 digit numbers
New PIN*	When changing PIN, input new PIN.	4-8 digit numbers
Verify New PIN*	When changing PIN, input new PIN again for authentication.	4-8 digit numbers

* Appears only if PIN Authentication is enabled.

System

Set Firmware Upgrade, System Settings, Language.

Firmware Upgrade Setup

Upgrade AP firmware, modem firmware, Utility Software and device drivers. AP firmware and modem version can be checked from Home menu. Check Utility Software and device driver versions with Utility Software program information.

If Battery Strength is level 1, the following upgrades are unavailable. Upgrade after charging Battery.

<How to Upgrade>

① Click **Look-up** and select desired file

② Click **Upgrade** to begin upgrade

Web UI window opens, and "Updating" appears on Mobile Router's Display.

③ **Wait for the upgrade completion**

Upgrading takes several minutes.

* More than one firmware cannot be upgraded simultaneously.

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Network: MAIN AREA Connection: Connected USB: PIN Enabled

Home Wi-Fi Firewall Connection System Help

Firmware Upgrade

AP Firmware Upgrade

Upgrade File

Modem Firmware Upgrade

Upgrade File

CD Upgrade

Upgrade File

Item	Description	Option
AP Firmware Upgrade	AP firmware can be upgraded.	-
Modem Firmware Upgrade	Modem firmware can be upgraded.	-
CD Upgrade	Utility Software and device drivers can be upgraded.	-

System Setting

Set settings pertaining to system operations.

SoftBank

Network: MAIN AREA Connection: Connected USB: PIN Enabled

Home Wi-Fi Firewall Connection System Help

System Setting

USB Connect Mode Setting

USB Connect Mode ☐ Charging Mode ☒ USB Mode

Factory Setting

Device system setting will be initialized.

Wi-Fi Tx Power

Wi-Fi Tx Power[%]

Sleep Timer Setting

Sleep Timer

1 min

Apply

Power Saving Timer Setting

Power Saving Timer

10 min

Apply

Power Off Timer Setting

Power Off Timer

Disable

Apply

Login ID Setting

ID

user

Current Password

New Password

Verify Password

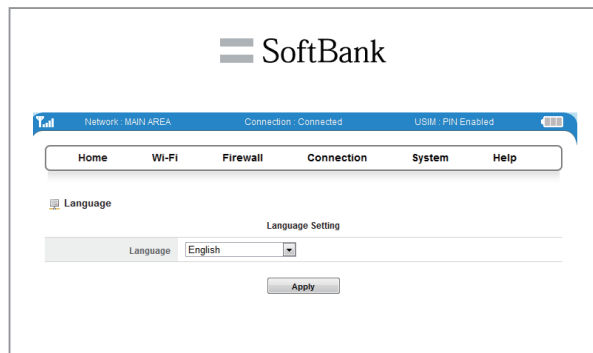
Apply

Item	Description	Option
USB Connect Mode	Change Operation Mode when PC is connected via USB Cable.	Charging Mode, USB Mode
Factory Setting	Initialize all settings.	-
Wi-Fi Tx Power [%]	Set various values to Wi-Fi Tx power.	10-100%
Sleep Timer ^{*1}	Set Sleep time.	Disable, 1, 3, 5, 10, 15 min.
Power Saving Timer ^{*2}	Set Power Saving time.	Disable, 5, 10, 20 min.
Power Off Timer ^{*3}	Set Power Off time.	Disable, 10, 20, 30, 60 min.
Login ID Setting	Change ID/Password.	-

- *1 Sleep Mode is a Standby Mode wherein when Mobile Router is idle (not a single device is connected to WLAN) its WLAN functions are disabled. Press any one of Operation Keys to release Sleep Mode to enable WLAN functions.
- *2 Power Saving Mode is a Standby Mode wherein in addition to Sleep Mode (WLAN functions disabled), Internet connection is severed. Press any one of Operation Keys to release Power saving mode to automatically connect to Internet.
- *3 Power Off is a function wherein Mobile Router's power automatically powers Off when Mobile Router is idle (not a single device is connected to WLAN).

Language Setup

Language setting can be changed from this menu.



Item	Description	Option
Language	Select language.	Japanese, English

Help

Shows website URLs.

