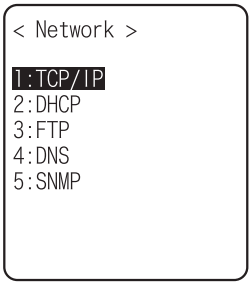
3-10 Network Menu

Network related setting such as TCP/IP.

Operational Procedure

1. From the System menu, select "3:Network".



Select the item to setup.

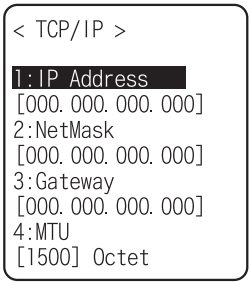
- TCP/IP
- DHCP
- FTP
- DNS
- SNMP

3-10-1 TCP/IP

Set an IP address and other details for TCP/IP communications. Automatic setup is possible when the DHCP function is enabled.

Operational Procedure

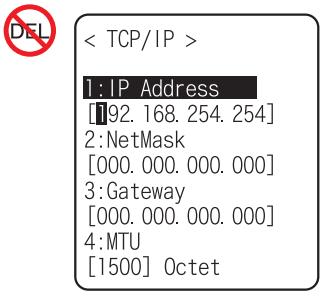
1. From the Network, select "1:TCP/IP".



Current setting contents are displayed.

Select the item to setup.

2. Input the address.



Input the number from 000 to 255 to the field segmented by the period (example：192.168.254.254).

* The Display is an example of "IP address". "NetMask" and "Gateway" is operated in the same way.

・IP address

Set the IP address assigned by the network administrator. Set a unique IP address to each of the XIT-100-BW terminals connected to the same network.

・NetMask (Subnet mask)

Set the subnet mask assigned by the network administrator. Since a subnet mask specifies which network you belong to, it should set up along with the IP address.

・Gateway (Default gateway)

Set the address of the default gateway. Setup is required when connecting to a different network through a router.

・MTU

The maximum length of IP packet. 1500 octets (bytes) is common for Ethernet. In such cases as being used over the routers, this value should be modified according to the communication media. Please ask the network administrator about the value settings for different items.

When the status of the IP address is [000.000.000.000],the WLAN communication is unable to be executed.

Please ask the network administrator about the value settings for different items.

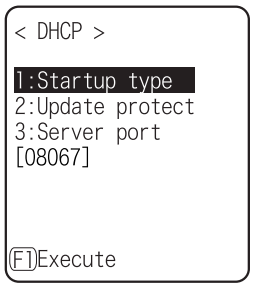
From the "Startup type" of DHCP setting (P.3-35), in case either "Application boot" or "System menu boot" is selected, the value except for MTU can only be confirmed but unable to be modified.

3-10-2 DHCP

Set the DHCP client function that is used for automatic setup of TCP/IP and various set items.

Operational Procedure

1. From the Network menu, select "2:DHCP."



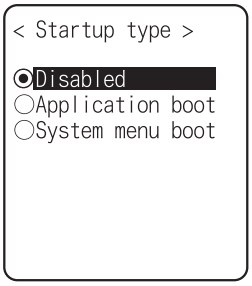
Select the item to setup.

- Startup type
- Update protect
- Server port

■Startup type

Operational Procedure

1. Select the item to setup.



- Disabled (Factory setup)
  DHCP is not executed when the terminal started up.
- Application boot
  DHCP is executed before the application is executed.
  The application file is selected from <System menu>[1:System], and then[2:Auto execute], DHCP function is executed before application , after the terminal started up. In addition, when the application is started up from <File menu>, DHCP is not executed.
- System menu boot
  DHCP is executed before System menu is started up. The System menu is selected from <System menu>[1:System], and then[1:Auto execute], DHCP function is executed before System menu is started up , after the terminal started up.

■Update protect

Following information unique to the terminal is setup so as not to be modified, before executing DHCP function.

- IP address
- NetMask
- Gateway
- ID

In the case when the check is applied to IP address (IP address update is prohibited), the IP address, which has set up at the terminal, is not modified. Be sure to use confirming that the there is no host with the same IP address on the Network.

■Server port number

DHCP server port is setup (Factory setup：08067).

If you do not execute the automatic setup, which is unique to the XIT-100-BW, and want to use existing server only to perform the assigning of IP address, the value is modified (the well known port is 67).

The port number of the DHCP server of "WebGlider-X" Network manager is 08067 as default. This is to avoid a competition with other DHCP servers working in the same network.

■Execute

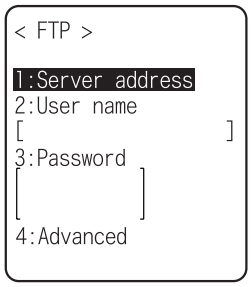
Press the [F1] key, and, DHCP is executed immediately, regardless of "Startup type"(P.3-35).

3-10-3 FTP

Set up for using the FTP client function, as described below. Automatic setup is possible when the DHCP function is enabled.

Operational Procedure

1. From the Network, select "3:FTP".



Select the item to setup.

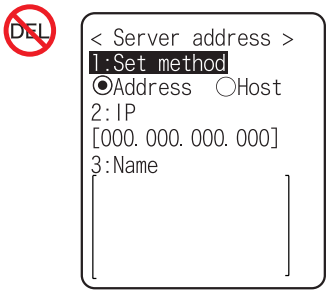
- Server address
- User name
- Password
- Advanced

■Server address

Set up the host name for FTP server.

Operational Procedure

1. Select from either IP, or, URL.



- Address
  The IP address setup at 2:IP" is set as FTP server.
- Name
  The host specified at "3: host name" is set as FTP server.
  The host name can not contain the space character.

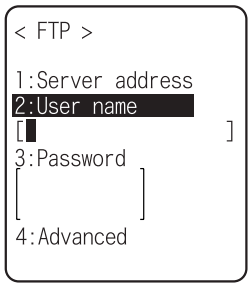
When using "Name", please perform the DNS setup (P.3-39)."

■User name

Specify the FTP server login user name using up to 18 alphanumeric characters, and upper-case/lower-case should be distinguished.

Operational Procedure

1. Input the User name.



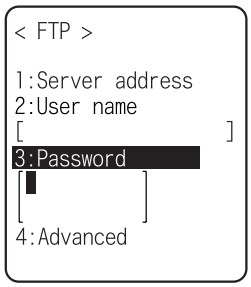
User name should not include the space.

■Password

Specify the FTP server login password using up to 20 alphanumeric characters, and upper-case/lower-case should be distinguished.

Operational Procedure

1. Input the Password.

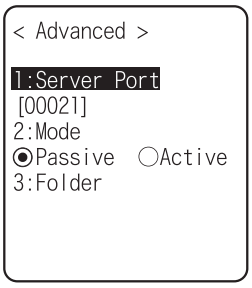


The Password is converted to a hidden character (*) and is displayed for security purpose.

Password should not include the space.

■Advanced

Operational Procedure

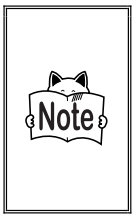


●Server port

Specify FTP server control port number. The well-known port is 21.

●Mode

The default is Passive mode. If the FTP server does not support Passive mode, change it to the Active mode.

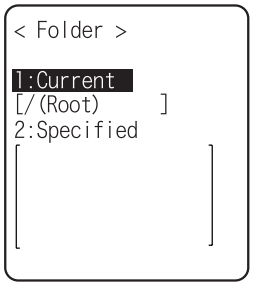


There is a function to reject the connection from outside the Firewall to inside in the Firewall set up. If this function is enabled, the FTP communication cannot be performed in the Active mode. By using Passive mode, the communication between the FTP server over the Firewall.

●Folder

・Current

/(root)
In some FTP server, the User name folder is specified as root folder.
/(user name)
The folder in the root folder with the same as the user name of the FTP server is specified as the current folder. If FTP function (file transmission or reception) is executed without setting the user name, the error screen appears.



/(Specified)
The relative path setup at the "specified folder" which is to be explained later becomes the current folder.

・Specified

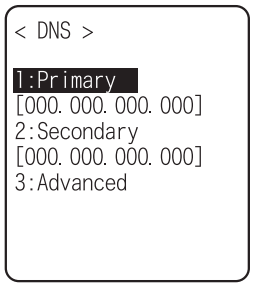
When selected "/(Specified)" in the folder above, the character string setup here are added to the FTP method "CWD". As the setup character string communicates directly by FTP communication, please setup the corresponding character string to the server.
(Example) "dir1/dir2/dir3"
The specified folder cannot include the space.

3-10-4 DNS

Set the DNS server address, as described below. Automatic setup is possible when the DHCP function (P.3-34) is enabled.

Operational Procedure

1. From the Network, select "4:DNS".



2. Select the item to setup.

●Primary

Set the IP address for the Primary server.

●Secondary

Set the IP address for the Secondary server.

●Advanced

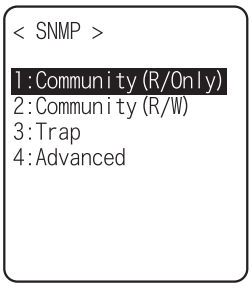
- Server port
  Specify the control port number for the DNS server. The well-known port is 53.
- Time out time
  Setup range is from 1 to 99 seconds. Set the response packet waiting time.
- Trial count
  When 0 is set, only one packet is transmitted without RETRY.
- Cache time
  Setup range is from 0 to 9999 min. When 0 is setup, the cache function is disabled. The MAX value allowed to enter to the cache table is 8. When the entered number is over the MAX value, a new entry will be performed after discarding the old entry.

3-10-5 SNMP

Make the various SNMP settings. Automatic setup is possible when the DHCP function (P.3-34) is enabled.

Operational Procedure

1. From the Network, select "5:SNMP".

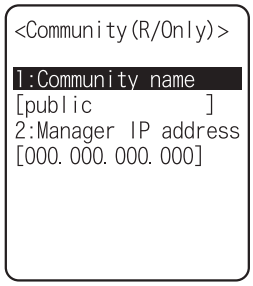


Select the item to setup.

- Community(R/Only) setting
- Community(R/W) Setup
- Trap
- Advanced

■Community(R/Only) setting

Operational Procedure



1. Input the community name and the manager IP address.

●Community name

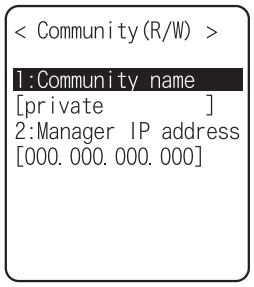
The operations permitted for a community name are read only. GET and GET-NEXT requests are supported under a community name. When a SET request is sent using a community name, an authentication trap is transmitted. A community name can be specified using a maximum of 16 alphanumeric characters.

●Manager IP address

Set the SNMP manager's IP address, which permits the use of the community name set under the "Community name" option. If "000.000.000.000" is set as the IP address, this community name is permitted on all the SNMP managers.

■Community(R/W) Setup

Operational Procedure



1. Input the community name and the manager IP address.

●Community name

The operations permitted for the community name are "Read-Write".

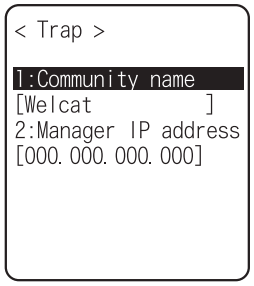
GET, GET-NEXT and SET request are supported under a community name. The community name can be specified using a maximum of 16 alphanumeric characters.

●Manager IP address

Set the SNMP manager's IP address, which permits The use of the community name set under the [community name]option. If "000.000.000.000" is set as the SNMP manager's IP address, this community name is permitted on all the SNMP managers.

■Trap setting

Operational Procedure



1. Input a community name and a manager IP address.

●Community name

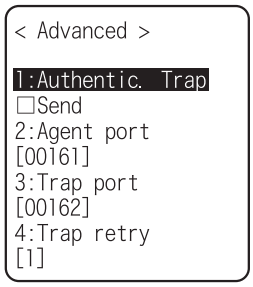
Set a community name for the Trap. A community name can be specified using a maximum of 16 alphanumeric characters.

●Manager IP Address

Set the SNMP manager's IP address to which the Trap should be transmitted. Trap is not transmitted if the IP address of "000.000.000.000" has been set.

■Advanced

Operational Procedure



●Authentic. trap

Set the action of authentication trap to either "send" or "don't send" when access is recognized except from the community name and SNMP manager's IP address set in "1: Community (R/Only)" and "2: Community (R/W)." This Trap is sent to the SNMP manager, which is set in "2:Target address."

●Agent port

The port number to communicate with SNMP manager. The well-known port is 161.

●Trap port

The port number to transmit the Trap. The well-known port is 162.

●Trap retry

The number of times Trap transmission retrial.

■About SNMP

- XIT-100-BW can be managed by using Our "WebGlider-X"(WBG-001W).
- SNMP-PDU(Protocol Data Unit) conforms to SNMPv1.
- XIT-100-BWsupports the management of the objects in the following MIB group.

[1.3.6.1.2.1.1]	MIB2-System
[1.3.6.1.2.1.2]	MIB2-Interfaces
[1.3.6.1.2.1.4]	MIB2-IP
[1.3.6.1.2.1.5]	MIB2-ICMP
[1.3.6.1.2.1.6]	MIB2-TCP
[1.3.6.1.2.1.7]	MIB2-UDP
[1.3.6.1.2.1.11]	MIB2-SNMP
[1.3.6.1.4.1.12392]	Welcat Enterprise MIB

Welcat Enterprise MIB is described by ASN.1 format.
Welcat Enterprise MIB is included in the optional "WebGlider-X". (About details, please contact our sales department.)

●Supported Traps

Cold Start	Cold Start Transmitted after MIB is initialized and the communications starts. MIB is initialized when the XIT-100-BW has been turned ON using the PW key. Note that MIB is not initialized when the XIT-100-BW has been turned ON in the resume mode.
Warm Start	Warm Start Transmitted when communication starts except Cold Start.[*1]
Link up	Link up Transmitted when XIT-100-BW synchronizes with an access point. However, a Link Up is not transmitted when the XIT-100-BW synchronizes with an access point for the first time (When a Cold Start or a Warm Start is transmitted). When the XIT-100-BW newly enters a service area of an access point and synchronizes, or when it synchronizes with a new access point while roaming, a Link Up is transmitted (in the same timing as signal SIGRFU_INSYNC).
Link down	Link down Transmitted when the communication ends. However, it is not transmitted when the XIT-100-BW is outside the service area of an access point.
Authentication	Transmitted when a third person tries to access the XIT-100-BW with an invalid community. This authentication trap is sent to the IP address set through the System menu "Trap Manager IP address" (P.3-41). However, this is transmitted only when the value "send" is set through the System menu "Illegal access Trap" (P.3-42).

[*1] MIB is not initialized even if the " XIT-100-BW " setup corresponding to MIB (IP address, subnet mask, default gateway, etc.) has been changed. In this case, a Warm Start is transmitted instead of a Cold Start. When initializing MIB, restart the terminal.

3-11 Receiving Menu

Receiving files via WLAN, or Bluetooth. The XIT-100-BW can receive files transmitted from a host computer via WLAN, or Bluetooth.
Before receiving a file, please check the following. The received files are all created in the F drive.

●WLAN

- The communication setting (IP address, SSID, WEP etc.) between the XIT-100-BW and the Access point are correctly set up.
- The power of the access point and host computer is ON.
- The access point and host computer is correctly setup or connected.
- The access point is normally operating.
- FTP server is running on the host computer.
- FTP setup (host name, user name etc.) of XIT-100-BW is correctly setup.

●Bluetooth(Receiving side is the host computer)

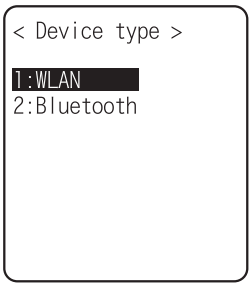
- The power of the host computer is ON.
- The "BluePorter(WLF-001:optional)" on the host computer is started up.
- The default device of XIT-100-BW is setup on the host computer at the receiving side. (only in the case selected from the file list)

●Bluetooth(Receiving side is XIT-100-BW)

- Wait only is enabled.
- The default device of XIT-100-BW is setup on the XIT-100-BW at the receiving side.

Operational Procedure

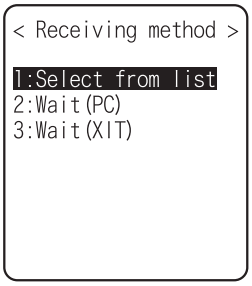
1. From the System menu, select "4:Receive".



Select the device to use.

- WLAN → 3.
- Bluetooth → 2.

2. Selecting receiving method.

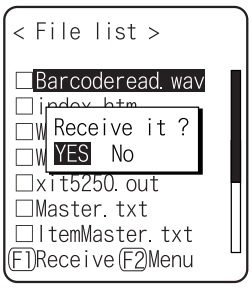


Select "1: Select from list " to obtain the file list from the transmission side. The receiver side can select the file to receive from the list.

Select "2:Wait(PC)" or "3:Wait(XIT)", then get into receiving waiting status immediately. If it is the transmission from the host computer select "2:Wait(PC)", when it is from XIT, Select "3:Wait(XIT)". The receiving file depends on the transmission side.

- 1 : Select from the file list→ 3
- 2 : Wait(PC), 3 : Wait(XIT)→ 4.

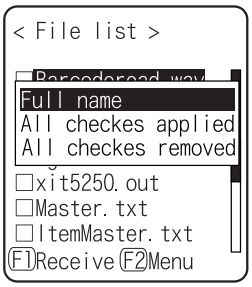
3. Acquire the file list, and select receiving file.



Apply checks to the check box of the receiving file.

Press the F1 key, and Receiving Confirmation dialog is displayed. In this case, if there is no file that the check is applied, Selected file is received. Select from[Yes][No].

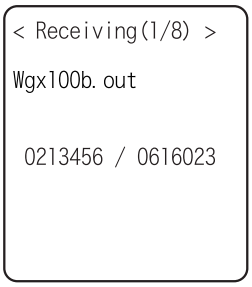
In addition, Press the Ⓒ key, and [No] is selected.



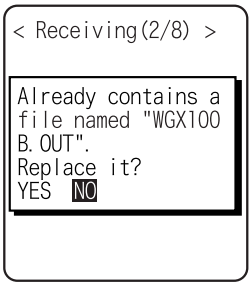
Press the F2 key, and Sub menu to operate the file lists displayed.

- "Full name"
  Selected file name is displayed.
- "All checks applied"
  Apply checks to all the check boxes of the file list.
- "All checks removed"
  Remove checks from all the check boxes of the file list.

4. Receiving start.



Receiving status is displayed.

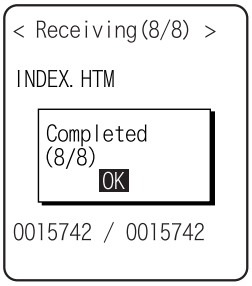


When there is a same file name as that of receiving file, overwriting confirmation dialog is displayed.

Select[Yes]or [No].

In addition, press the Ⓒ key, and [No] is selected.

5. Receiving is completed.



When many files are checked,"(the number of success/ the number of checked)" is displayed in the Message box.

Press the ENT key, or Ⓒ key.

3-12 File Menu

By searching the targeted file, varieties of operations such as transmission and Deletion are performed.
Select the file for operation from the classified file list in each drive.
The files are recognized by the extensions (3 characters following after the period of the file name), and classified as below.

Extension	Kind of a file
OUT	Application
WAV, MP3, SFL	Audio
BMP	Bitmap
Others	Data

Operation is that can be executed are as follows. There are operations that are related to some specific files and the operation enabled in all files.

Operation	About
Execute[*1]	Starting up the application. Only the application files can be operated.
Play[*1*3]	Play audio file. Only audio files can be operated.
Viewer[*2]	Bitmap images displayed. Only bitmap files can be operated.
Properties	Various kind of properties related to the file are displayed.
Upload	Uploading a file.
Delete	Deleting a file.
Test	Check if a file is broken or not.
All checks applied.	Apply checks on all check boxes in the file list.
All checks removed	Remove all checks of the check box in the list.

[*1] The file in the S drive Operation is disabled.
[*2] Supported Bitmap file is as follows.

Format	Windows Bitmap monochrome image
Size	132×128 pixel fixed

[*3] Supported audio file is as follows.

Extension	WAV
Format	Windows Standard WAVE Format
Audio sampling rate	8000/11025/16000/22050/44100/48000[Hz]
Channels	Monaural
Audio samples size	16bit
Audio style	PCM

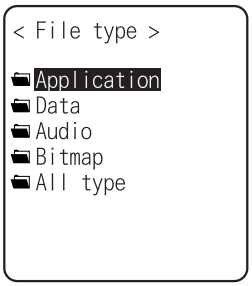
Extension	MP3
Format	MPEG-1 Audio Layer-3
Audio sampling rate	44100/48000[Hz]

Bit rate	32/40/48/56/64/80/96/112/128/160/192/224/256/320(kbps)
Channels	Monaural/Stereo

Extension	SFL
Format	Audio file list (text style)
MAX items	32
Explanation	By using SFL file, many audios and files can be played continuously. In the file list, the file name is cited by line feeding to the MAX 32 items. The cited audio file should be stored in the terminal beforehand. The file names written in the file list are all played only once. When an Error occurred during playing, the audio file play will stop and will not play any more. It is impossible to cite other SFL file inside the SFL file.
Description example	ALARM_MELODY.WAV(Changing line) LOCATION_3F_2.WAV(Changing line) SHIP_ERROR.WAV

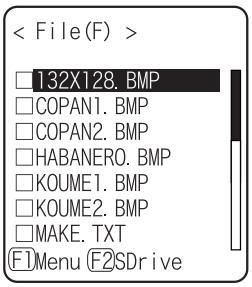
Operational Procedure

1. From the System menu, select "5:file ".



Select the kind of the file for Operation. Select "All types ", regardless of the kind of the file all files stored in the drives targeted.

2. Selecting a drive.

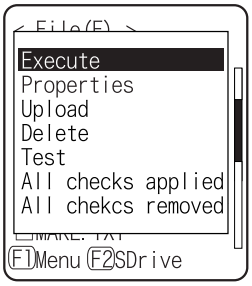


F Drive becomes the current drive.

When there is no file stored in the F Drive, S Drive will be the current drive.

Each time by pressing the F2 key, the current drive changes.

3. File operation.



File alone check box operation (apply checks /remove checks) is performed by the ENT key.

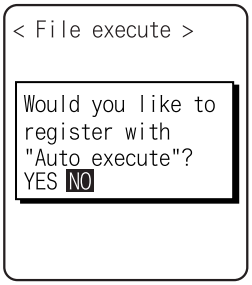
For other operation, press the F1 key, From the Sub menu, Select the Operation.

- Execute
- Play
- Viewer
- Properties
- Upload
- Delete
- Test
- All checks applied
- All checks removed

■Execute

Operational Procedure

1. From the Sub menu, select "Execute".



Regardless of check box status, Selected application is executed.

When an SFL file application to be executed is not registered in the Automatic Launch, register confirmation dialog is displayed.

In addition, Press the Ⓒ key, and [No] is selected.

After selecting, execute the program. To end the application, perform the operation specified for each application. After termination, whether the System menu is displayed again or, the power of the terminal turns off is depends on the application.

When the battery lost its power, the alarm appears and the power of the terminal turns OFF. If you want to stop the application by force, press the PW key continuously for 10 seconds while it is running.

■Play

Operational Procedure

1. From the sub menu, select "Play".

Regardless of the check box status, Selected audio file plays.

Press the Ⓒ key to stop and playing.

■Viewer

Operational Procedure

1. From the Sub menu, select "Viewer".

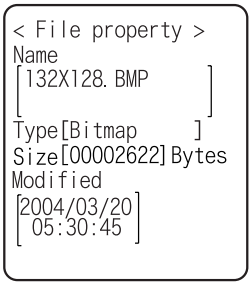
Regardless of the check box status, Selected bitmap file is displayed.

Press any key to return to the previous operation.

■Properties

Operational Procedure

1. From the Sub menu, select "Properties".



Regardless of the check box status, Selected file's properties are displayed.

Following properties are displayed.

- File name
- File type
- File size
- Last modified
- Library version(application only)

Press any key, to return to the previous operation.

■Upload

When uploading, please check the following beforehand.

●WLAN

- The communication setting (IP address, SSID, WEP etc.) between the XIT-100-BW and the Access point are correctly set up.
- The power of the access point and host computer is ON.
- The access point and host computer is correctly setup or connected.
- The access point is normally operating.
- FTP server is running on the host computer.
- FTP setup (host name, user name etc.) of XIT-100-BW is correctly setup.

●Bluetooth(Receiving side is the host computer)

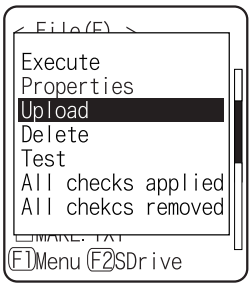
- The power of the host computer is ON.
- The "BluePorter(WLF-001:optional)" on the host computer is started up.
- The default device of XIT-100-BW is setup on the host computer at the receiving side.

●Bluetooth(Receiving side is XIT-100-BW)

- The default device of XIT-100-BW is setup on the XIT-100-BW at the receiving side.

Operational Procedure

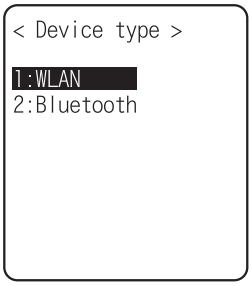
1. From the sub menu, select "Upload".



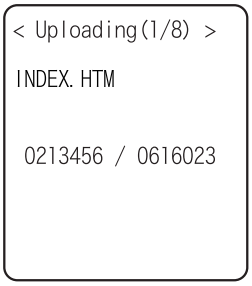
Upload the file with whose check box is checked.

However, when there is no file whose check box is checked, Selected file is uploaded.

2. Select the device to use.

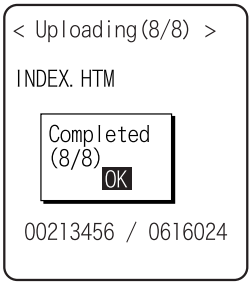


3. Upload start.



Upload status is displayed.

4. Upload is completed.



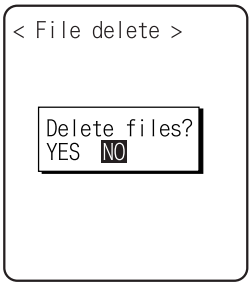
When many files are checked, (the number of upload success / the number of checked items)" is displayed in the "Message box".

Press the ENT key, or Ⓒ key.

■Delete

Operational Procedure

1. From the sub menu, select "Delete".



Delete the file whose check box is checked.

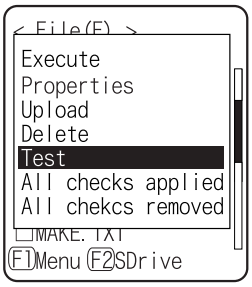
However, if there is no checked file, Selected file is deleted.

Confirmation dialog is displayed. Select[Yes]or [No].

In addition, Press the Ⓒ key, and [No] is selected.

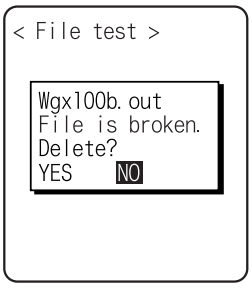
■Test

Operational Procedure



Test the file whose check box is checked.

However, if there is no checked file, Selected file is tested.



When the tested file is broken, file delete confirmation dialog is displayed. Select[Yes][No].

In addition, press the Ⓒ key, and [No] is selected.

When[Yes]is selected, the file is deleted immediately.

When [No] is selected, nothing will be performed.

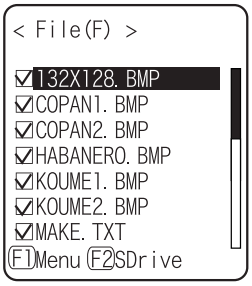
After the Select, restart the next file testing.

If the broken file is used as it is, an unexpected accident such as the application's running out of control and so on. It is strongly recommended to delete the broken file.

■All checks applied

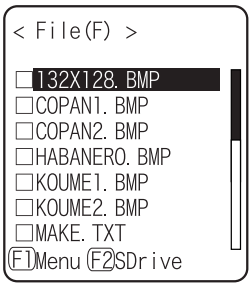
Operational Procedure

1. From the Sub menu, select "All checks applied".



Check all the check boxes.

■All checks removed



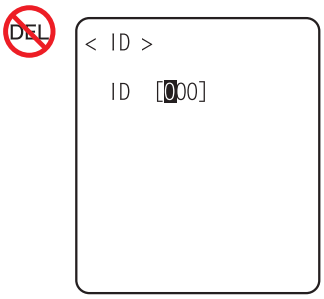
Remove the check from all the check boxes.

3-13 ID Menu

Setup the ID number for identification. Setup the unique number for each terminal. When DHCP function is enabled automatic setup is also possible.

Operational Procedure

1. From the System menu, select "6:ID".



Input the terminal ID.

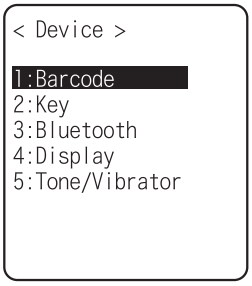
The number of ID allowed to set is from 000 to 999.

3-14 Device Menu

Setup the hardware device such as Barcode and key. The Device Menu is further classified for each devices.

Operational Procedure

1. From the System menu, select "7:device".



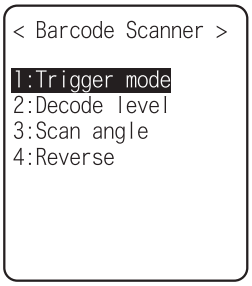
Select the item to setup.

- Barcode
- Key
- Bluetooth
- Display
- Tone/Vibrator

3-14-1 Barcode

Operational Procedure

1. From the Device Menu, select "1:Barcode".



Select the item to setup.

- Trigger mode
- Decode level
- Scan angle
- Reverse

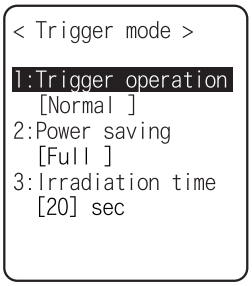
■Trigger mode

This mode is used to setup the operational condition of the laser scanner on the System menu or the XIT-100-BW browser.

This setup is only enabled with the application using "Trigger mode" for barcode scanning. WebGlider-X browser is one of the applications using trigger mode.

Operational Procedure

1. Select the item to setup.



Select the item to setup.

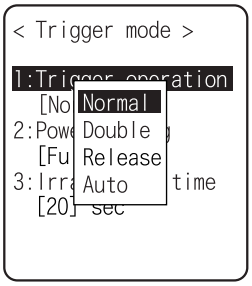
- Trigger operation
- Power saving
- Irradiation time

●Trigger operation

Setup the operation of the scan key and the irradiation pattern of the laser. A barcode can be scanned when the irradiation of the laser is turned ON

Operational Procedure

1. From the sub menu, select the item.



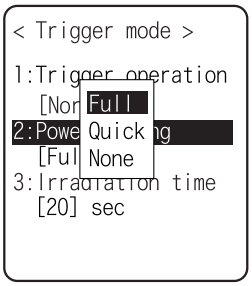
- Normal
  Press the scan key, and the laser irradiates.
- Double
  Press the scan key, and the laser blinks. Press again, the laser irradiates.
- Release
  Press the scan key, and the laser blinks , release the scan key, the laser irradiates.
- Auto
  Regardless of scan key operation, the laser irradiates automatically.

●Power saving

Setup for saving the power consumption when scanning.

Operational Procedure

1. From the sub menu, select the item.



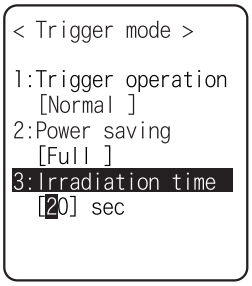
- Full
  When a Barcode is scanned the laser stops automatically and the power supply to the scanner part stops as well. The consumed power gets small, but it takes time to start the next scanning.
- Quick
  When a Barcode is scanned the laser stops automatically but the power supply to the scanner part continues as well. The consumed power is large compared to the Full, but it can perform the next scanning smoothly.
- None
  Power saving mode is not used.

●Irradiation time

Setup the time to turn OFF the laser automatically.

Operational Procedure

DEL 1. Input the time.



The time allowed to setup is from 00 to 60 seconds.

In addition, when 00 second is setup, the laser keeps irradiating without stop.

■Decode level

Setup the permissible range of the Barcode scanning.

When the Decode level is set to "strict", the barcode label checked strictly.

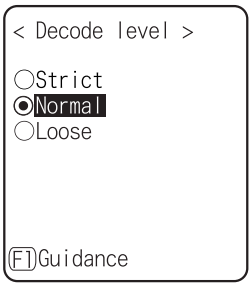
For this reason the label of poor quality get difficult to scan, but the possibility of miss scanning becomes low.

On the other hand, when the Decode level is set to "loose", the barcode label of comparatively poor quality can be scanned, but the possibility of miss scanning becomes high.

Be sure to check the digit number, data etc in the check digit of the software when the "loose" is set.

Operational Procedure

1. Decode level Adjustment.



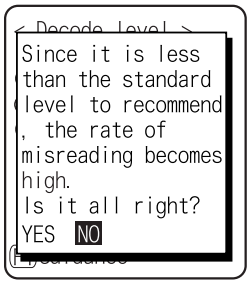
The level can be adjusted to 3 stages, "Strict", " Normal", and “Loose".

The relationship between level value and easiness for scanning is as follows.

The scan level and miss scanning level are proportionate.

Level value	Scan (miss scanning) rate
Strict	Strict (difficult to miss scan)
Normal	↑ ↓
Loose	Loose (easy to miss scan)

Press the F1 key, and the guidance for setup value is displayed.



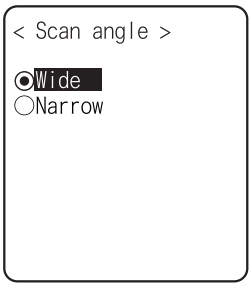
When the level is going to setup to "loose", the guidance for attention about miss scanning is displayed. Select[Yes][No].In addition, press the Ⓒ key, to select [No].

■Scanning angle

Setup the irradiation angle of the laser.

Operational Procedure

1. Select from either Wide or Narrow.



- Wide(default)
  The irradiation angle of the laser widens.
- Narrow
  The irradiation angle of the laser becomes narrow.

■Reverse

Scan setup of White/ black Reversed Barcode

Operational Procedure

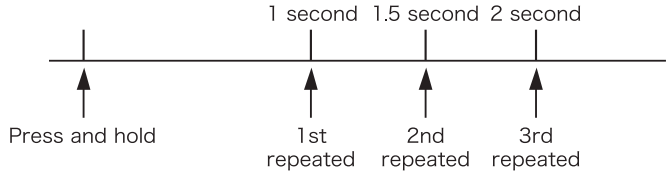
1. Select from either Prohibition, or, Permission.

- Prohibition (default)
  Normally, the barcode with black bar and white space only scanned.
- Permission
  The barcode with reversed white and black of bar and space only scanned .

3-14-2 Key

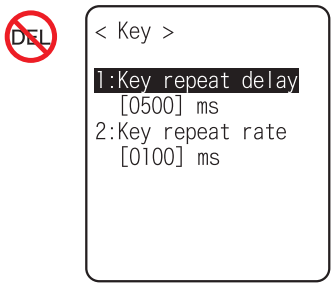
Press and hold the direction (F5 to F8) key, the direction key is allowed to enter itself repeatedly.
The time (Key repeat delay): From the time when the press and hold started until it get into the first repeated entering, and the time (Key repeat rate): until the entering repeated.

(example) repeat delay:1 second, repeat rate:500milli seconds



Operational Procedure

1. From the Device menu, select "2: key".



Current setup contents are displayed.

Setup allowed time is from 0100 to 1000milli seconds.

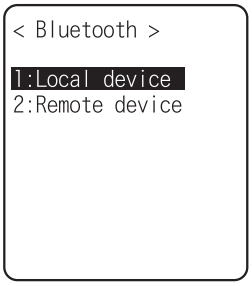
In addition, when 0000milli seconds setup repeated entering is prohibited.

Press the F1 key, and, the guidance is for setup value is displayed.

3-14-3 Bluetooth

Operational Procedure

1. From the Device menu, select "3:Bluetooth".



Select the item to setup.

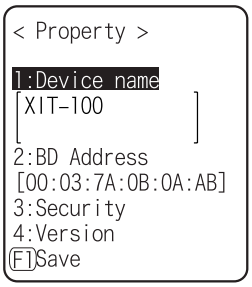
- Local device
- Remote device

■Local device

Local device setup.

Operational Procedure

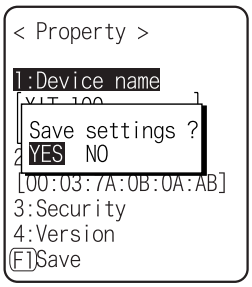
1. Select the item to setup.



- Device name
- Security
- Version

As "BD Address" is fixed, setup contents cannot be changed.

Only during the local device setting, the search from the Remote device is search is accepted. In other case, the search is not accepted.



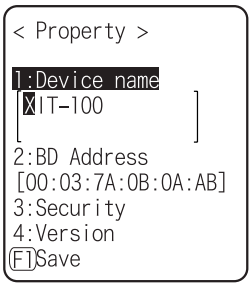
The setup contents in each item are not saves as it is. In order to save the setup contents, press the F1 key or Ⓒ key, and select [Yes] in the Save confirmation dialog.

In addition, Press the Ⓒ key, and [No] is selected.

●Device name

Operational Procedure

1. Input the name of the Bluetooth device.



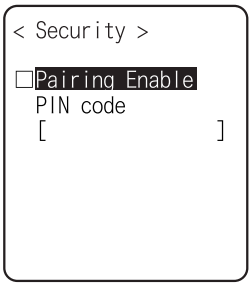
For device name, the alphanumeric characters MAX 30 characters, and the Upper-case character/Lower-case character is distinguished.

●Security

Perform the authentication related setup when connecting.

Operational Procedure

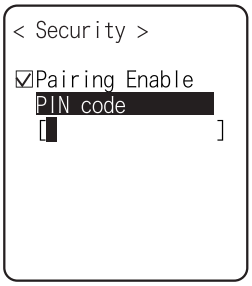
1. Operate the check box to enable the authentication.



When a check box is checked, the authentication is performed in case the local device received connect request from a Remote device.

Only the Remote device with enabled authentication will be permitted to connect.

2. PIN code setup



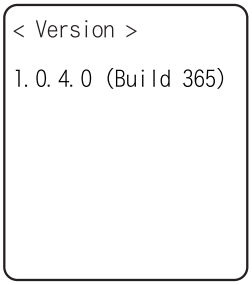
PIN (Personal Identification Number) code is a password used for authentication. For this code, 16 digit characters (0 to 9, A to F) and MAX 16 digits can be entered.

As a security measure, entered PIN code is displayed being converted into a hidden character (*).

●Version

Operational Procedure

1. Check the firmware version of the built in Bluetooth device.



Press the Ⓒ key, to return to the previous operation.

■Remote device

Remote device setup.

Operational Procedure

1. Select the item to setup.

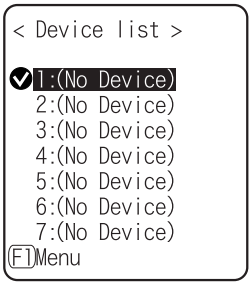
- Device list
- Search for devices
- Serch options

●Device list

Remote device properties to connect can be registered MAX 7 items. Once registered beforehand, you don't have to set the device properties for each connection.

Operational Procedure

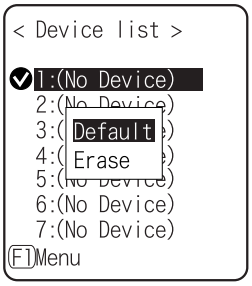
1. Select the item number to register



Select the item number, setup the device properties in order.

When device properties have already registered, the device name is displayed to the right of the item number. When the device is not registered, [(No Device)] is displayed to the right of the item number. (Recognized as registered when the device name is of 1 character more, and the BD address is other than "00:00:00:00:00:00").

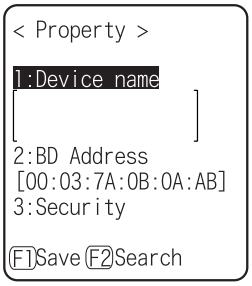
The device whose item number is displayed with ✔ to its left is a default device. In the System menu when connecting via Bluetooth, default device is connected to.



Press the F1 key, and sub menu is displayed.

- "Default"
  Selected device to register is setup as a default device.
- "Erase"
  Erase the registered device properties.

2. Select the item to setup.



- Device name
- BD Address
- Security

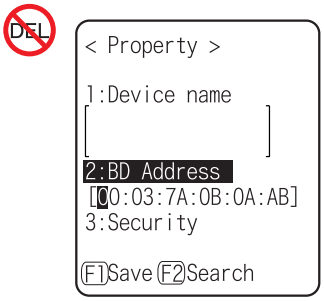
The operation procedure of device name for security is same as that of the local device.

F2Press the F2 key to search the Remote device. To setup the detected Remote devices the registered device is also possible.

●BD Address

Operational Procedure

1. Input the BD Address.



BD address is a device unique hardware address.

It is the fixed length of 16 digit character (0 to 9, A to F) 12 digits.

●Device search

Searches the Remote device. To setup the detected Remote device as the registered device is also possible.

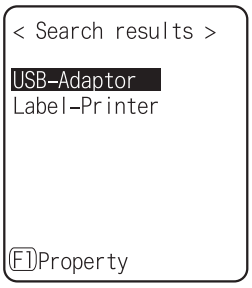
When you want to include the other XIT-100-BW as the target of device search, it is necessary to set the targeted terminal to "Local Device Setup".

Operational Procedure

1. Search start.

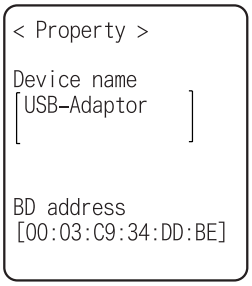
Press the Ⓒ key, and search to stop.

2. The search result list is displayed.



The device name list of the detected remote device is displayed.

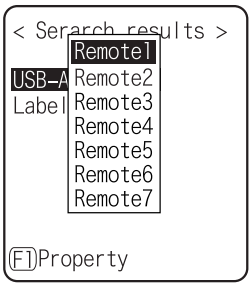
The device name that can be detected is limited to alphanumeric characters. Be sure not to use the Kana-Kanji as the device name of the host computer.



Press the F1 key, and Selected Remote device's device name and BD address are displayed.

Press the Ⓒ key, to return to the previous operation.

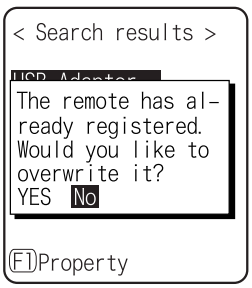
3. Select detected remote device.



Press the ENT key, and Selected Remote device's device name, BD address are displayed.

Press the Ⓒ key to return to the previous operation.

4. Select the registered number of the registered device.



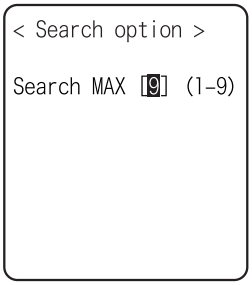
When the already registered number is selected, overwriting confirmation dialog is displayed. Select [Yes][No]. In addition, press the Ⓒ key, and [No] is selected.

●Search option

Set the upper limit of the number of Remote devices detected by device search.

Operational Procedure

1. Input the number of devices for search.



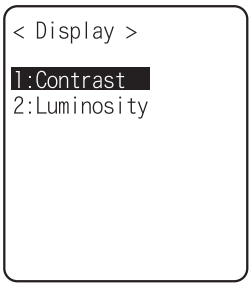
The number of devices allowed to setup is from 1 to 9.

The more the number of devices for search is the longer the search time becomes.

3-14-4 Display

Operational Procedure

1. From the Device, select "4:Display".



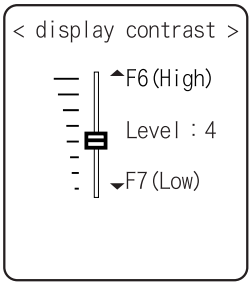
Select the item to setup.

- Contrast
- Luminosity

■Contrast

Operational Procedure

1. Display Contrast Adjustment.



The contrast of the display can be adjusted from 1 to 8.

Press the F6 key for Up, F7 key for Down, then the slider moves.

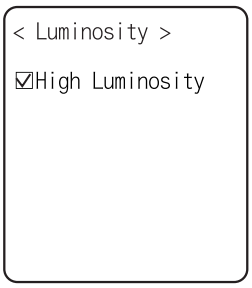
The contrast changes in real time in line with the slider's upward and downward movement, the status of the contrast level can be checked immediately. The relationship between level value and contrast is as follows.

Level value	Contrast
8	High (thick)
↕	↕
1	Low (thin)

■Backlight luminosity

Operational Procedure

1. Operate the check box to set high luminosity.



When check is applied the luminosity when the backlight ON becomes high luminosity.

However, in that case check the consumed power becomes large compared to the status when the check is removed (standard luminosity).

When starts the setup the backlight turns ON automatically, the luminosity changes in real time according to the status of the check.

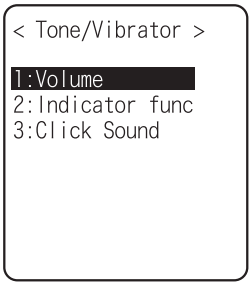
However, when the battery level is less than the regulated value, the backlight will not turn ON.

3-14-5 Tone/Vibrator

Setup the device such as Sound, LED and Vibrator to alert the worker's attention.

Operational Procedure

1. From the Device, select "5:Tone/Vibrator".



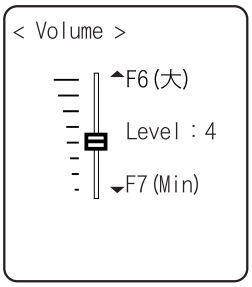
Select the item to setup.

- Volume
- Indicator func
- Click sound

■Volume

Operational Procedure

1. Adjust Speaker volume.



It is adjustable from 1 to 8. F6 key for Up, F7 key for Down to move the slider.

As the sound volume changes in real time in line with the Up and Down movement of the slider, the status of the level value can be checked immediately.

The relationship between the level value and sound volume is as follows.

Level value	Sound volume
8	Max
⇕	⇕
1	Min

Set to 1, if no sound is desired.

■Indicator function

Indicator means the combination of four devices (buzzer/audio /vibrator/LED) that is used to alert the worker's attention.

By using this indicator allows the worker to know the current status more intuitively. What indicator is used in what situation is set up by the application. In addition, in the System menu, the "pattern 3" indicator for each case will be applied.

For example,

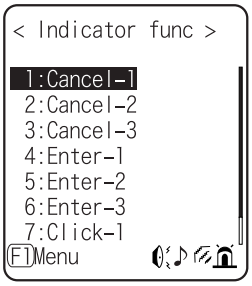
- When confirmed, one high tone sounds somewhat short and the LED green turns ON.
- When an error occurred, vibrating the Vibrator, beep a low-pitch sound three times and turn ON the green LED.

And so on, the terminal allows the user varieties of setting according to the user's working environment.

There are 5 scenes that represent working such as pressing the key (click) and confirming etc. And one user's scene, these 6scenes are provided with three patterns respectively.

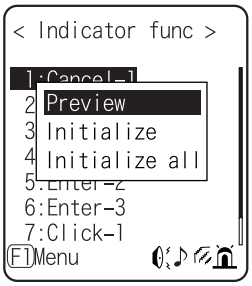
Operational Procedure

1. Select the indicator to set.



The icon to show the setup status of the indicator is displayed in right of the lower part on the display.

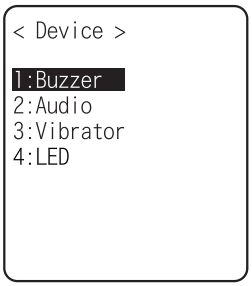
: Buzzer is setup.
: Audio is setup.
: Vibrator is setup.
: LED is setup.



Press the F1 key, and sub menu is displayed.

- "Preview"
  Current indicator can be experienced.
- "Initialize"
  Select pattern setup contents are discarded to return to the initial value.
- "Initialize all "
  Discarding all setup patterns of all scenes and return to the initial value.

2. Select the device to setup.



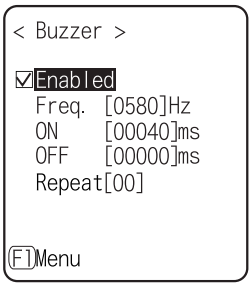
After selecting device, setup the operational condition of the device in order.

●Operational condition of a device

In the operation condition, there are two kinds, one is common to all devices and the other is unique to the device.

Operational Procedure

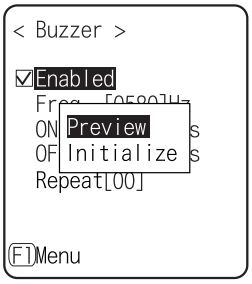
1. Enable check box operation (common to all devices).



The switch to turn ON/OFF the operation of the device.

When checked, the device operates, and when the check is removed the device does not operate unconditional to other setups.

This setup is displayed as an icon.

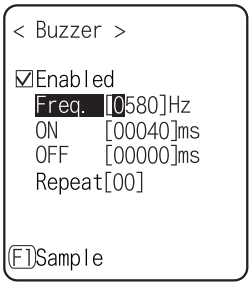


Press the F1 key, and sub menu is displayed.

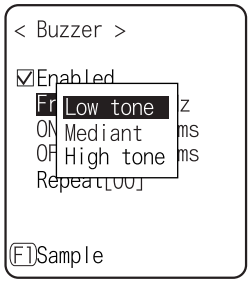
- "Preview"
  Current indicator can be experienced
- "Initialize all "
  Discarding setup contents of the pattern and return to the initial value.

In addition, when the F1 Menu is displayed in the left of the lower part of the display, the operation procedure is common to all the operational condition of devices.

2. Input the frequency (buzzer only)



Setting range is from 0000 to 9999Hz.

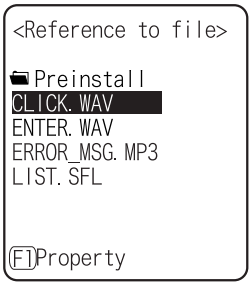


The contents of the function key guidance displayed in the left of the lower part of the display changes during the frequency is entered.

Press the F1 key, and sub menu of the frequency samples are displayed.

Fine-tuning the value based on the samples facilitates the setup.

3. Selecting a file name (audio only).



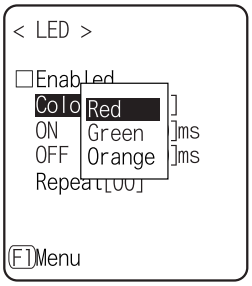
Select the audio file from the file list.

Press the F1 key, and properties related to the selected file is displayed.

Select the "built in audio ". The audio file list that is stored beforehand in the system area of the terminal is displayed.

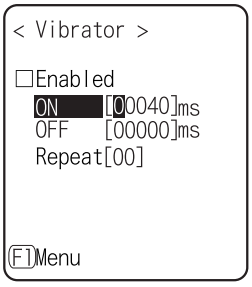
When an extension specifies the MP3 or SFL file on the indicator, will not be played by the application unless the Library linked on the application is Ver.1.10 or later.

4. Color Select (LED only).



From sub menu, select the item.

5. Input the ON time (buzzer/Vibrator/LED).

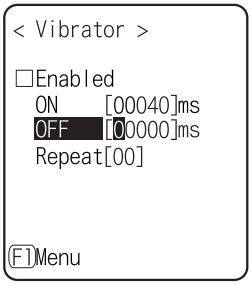


Operation time of the device for one performance.

Setting range I from 00000 to 99999milli seconds.

If 00000milli second is setup the device keeps operating.

6. Input the OFF time (buzzer/Vibrator/LED).

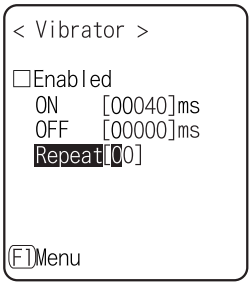


OFF time of the device for one performance.

The setup range is from00000 to 99999milli seconds.

If 00000milli second is setup the operation stops after the period specified by ON time (milli seconds).

7. Input the number of times to repeat (Common to all devices).



The number of times to repeat the operation on and off.

The setup range is from 00 to 99.

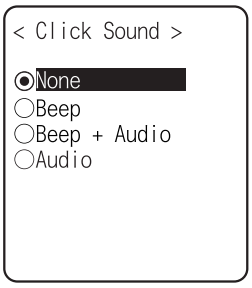
If 00 is set, it repeats until the device is operated.

■Click Sound

Setup whether to play the sound or not when the key at the terminal is pressed. The sound can be selected from "Single Beep sound" and "Numeric read out audio ". Click sound is played immediately when the key is pressed. When a sound played by application or indicator, the latter sound interrupt the previous sound. According to the timing, the interruption makes the sound somewhat mixed.

Operational Procedure

1. Select the sound pattern played when the key is pressed.



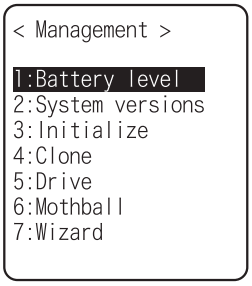
- None (default)
  Key Click sound is not played.
- Beep
  For all keys the beep sound is played when any key is pressed.
- Beep + Audio
  When numeric keys are pressed the numeric is called out in audio (in Japanese). When other key is pressed Beep sound is played.
- Audio
  Only when the numeric keys are pressed numeric is called out in audio. When other keys are pressed, no sound is played.

3-15 Manage Menu

Checking the standard properties of XIT-100-BW and improvement and maintenance of the performance.

Operational Procedure

1. Select the item to setup.



Select the item to setup.

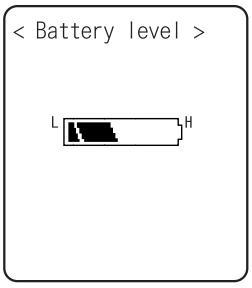
- Battery level
- System versions
- Initialize
- Clone
- Drive
- Mothball
- Wizard

3-15-1 Battery level

Check the Battery level of the battery pack. Just look at the Battery level as a reminder.

Operational Procedure

1. From the Management select "1:Battery level".



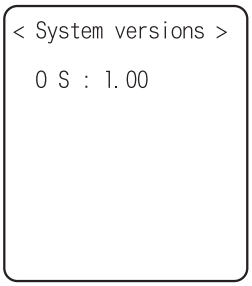
Battery level is displayed in 6 stages.

3-15-2 System versions

The handy terminal system program (OS) version is displayed.

Operational Procedure

1. From the Management, select "2:System versions".



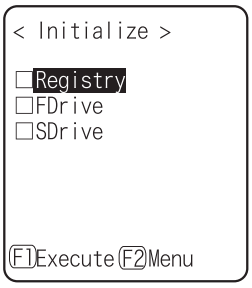
OS version is displayed.

3-15-3 Initialize

Initializing the Registry and the drive.
When the initialization is performed, the setup contents will return to the Factory setup and all files will be deleted. When you perform the initialization take deepest cares with this understanding.

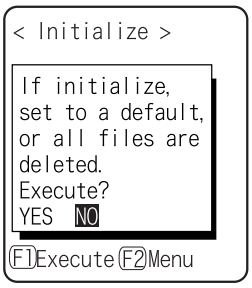
Operational Procedure

1. From the Management, select "3:initialize".



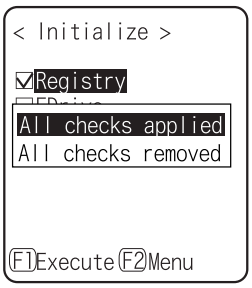
Check the item that you want to initialize.

If no item is checked, initialization cannot be executed.



Press the F1 key, and execute confirmation dialog is displayed.

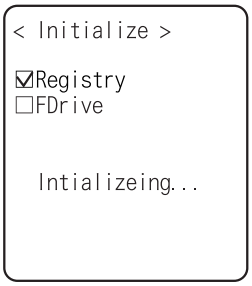
Select [Yes] or [No]. In addition, press the Ⓒ key, and [No] is selected.



Press the F2 key, and sub menu is displayed.

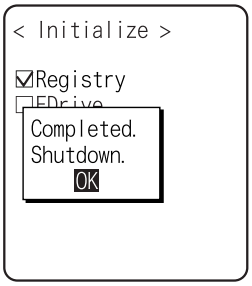
- "All checks applied"
  Apply checks to all check boxes.
- "All checks removed "
  Remove all checks from the check boxes.

2. Initialization start.



The checked items are initialized in order.

3. Initialization is completed.



Press the ENT key, or Ⓒ key.

When the Registry is initialized, turn off the power.

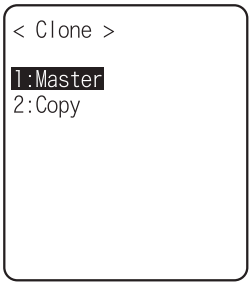
When initializing the Registry, if there is no file in the F drive, the F drive will be initialized automatically with or without check.

3-15-4 Clone

Copying the contents on the Registry and F drive of the other XIT-100-BW, duplication is created.

Operational Procedure

1. From the Management, select "4:Clone".



In the case of to copy XIT-100-BW, select "1:Master ".

In the case of to be duplicated on XIT-100-BW, select "2:Copy".

- Master
- Copy

When you perform the cloning take deepest care with understanding the following items.

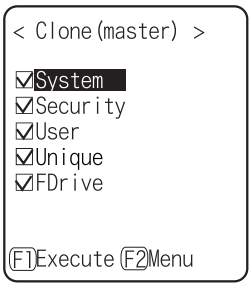
- Copy terminal performs initialization inside the Copy terminal before Receiving the data from the Master terminal. For this reason when Clone is failed, the setup value will return to the Factory setup or all files will be deleted.
- As the Copy terminal performs initialization at first, and it may take time to get into the state that the clone can be performed.
- When transferring registry and file from the Master terminal, perform cloning after confirming that the Copy terminal is in the condition to be able to perform the "Clone"

■Master

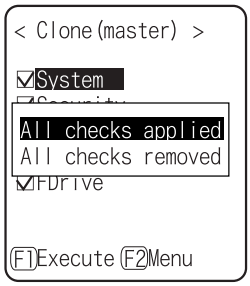
Setup the "Copy XIT-100-BW" on the default device of the Master beforehand

Operational Procedure

1. Select the item to clone.



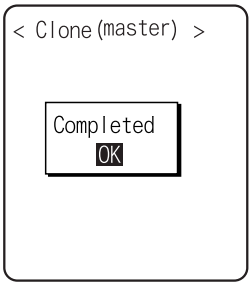
After confirming that the Copy terminal is in the condition to be able to "Clone", press the F1 key to start Clone.



Press the F2 key, and sub menu is displayed.

- "All checks applied."
  Apply checks to all check boxes.
- "All checks removed "
  Remove all checks from check boxes.

2. Clone is completed.

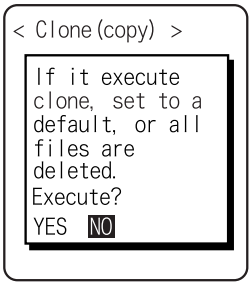


Press the ENT key or Ⓒ key.

■Copy

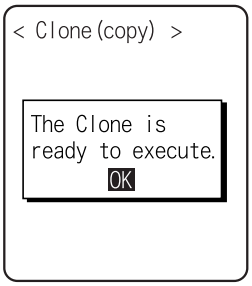
Operational Procedure

1. Initializing itself.



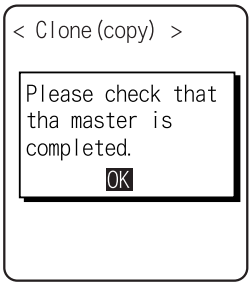
Execute confirmation dialog is displayed. Select from either [Yes] or [No]. In addition, press the Ⓒ key, and [No] is selected.

2. It is in the state the Clone is enabled.



Press the ENT key or Ⓒ key to start Clone.

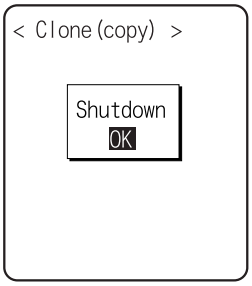
3. Confirm master display.



At the Copy terminal side, it cannot confirm that the Clone has completed, be sure to confirm that the transfer has completed on the display at the Master file. If the transfer from the Master file has not completes, execute the Clone again.

Press the ENT key or Ⓒ key.

4. Turn OFF the power.



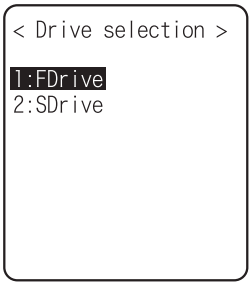
Press the ENT key or Ⓒ key.

3-15-5 Drive

Confirmation of various properties and maintenance for the drive is performed.

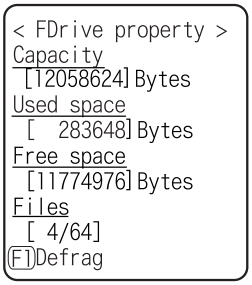
Operational Procedure

1. From the Management, select "5:Drive".



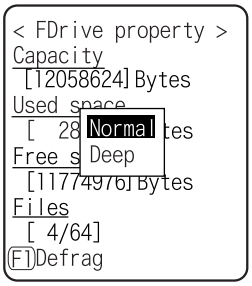
Selecting a drive.

2. The properties of the drive are displayed.



Following properties is displayed.

- Capacity
- Used space
- Free space
- Files(Used number/Max number)



F drive can be optimized by performing defrag.

Press the [F1] key, and a dialog is displayed.

- "Normal"
  The unnecessary area generated in the process of writing and/or deleting files is physically deleted.
- "Deep"
  In addition to normal execute, rearranging the acquired free area to a continuous area.
  It takes some seconds to some 10 seconds to complete Deep Execute depending on the status of the drive. Usually, Normal Execute is recommended.

Repeated writing and deleting of files in the F drive makes its capacity fragmented, and the program file with large size cannot be stored. By performing defrag the free spaces in the capacity will be resolved from fragmentation rearranged as a continued area.
In addition, as System program automatically performs defrags to keep the F drive in an appropriate status, usually no defrag is required.

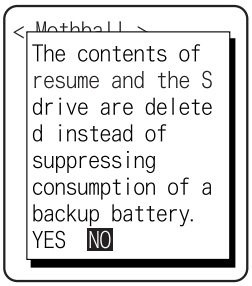
When the battery pack is removed in the course of defrag, a file or the System program may be corrupted. Never remove the battery pack during defrag.

3-15-6 Mothball

Setup to suppress the consumption of the battery when the XIT-100-BW is not used for a long period.

Operational Procedure

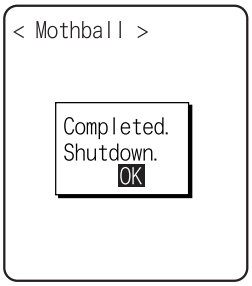
1. From the Management, select "6:Mothball".



Execute confirmation dialog is displayed. Select [Yes] or [No].

Then, press the Ⓒ key, and [No] is selected.

2. Preparation for prolonged storage is complete.



Press the ENT key or Ⓒ key.

Turn OFF the Power.

3-15-7 Wizard

The wizard executed at the initial boot of the terminal can be called back again. In order to perform communication between the terminal and the server, the minimum necessary setting is enabled.

Operational Procedure

1. From the Management, select "7:Wizard".

Select [Yes] or [No].

Select [Yes], then perform the setup of WLAN and perform the TCP/IP setup to execute the wizard. Select [No] to return to the previous screen.

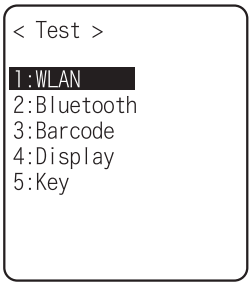
See"3-6-4 Executing Setup Wizard"(P.3-10), for details.

3-16 Test Menu

Hardware device test.

Operational Procedure

1. From the System menu, select "9:Test".



Select the item to setup.

- WLAN
- Bluetooth
- Barcode
- Display
- Key

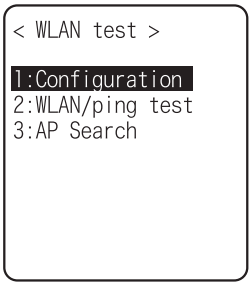
2. Select target device.

3-16-1 WLAN

Test for Wireless Communications and the test for IP Network communication.

Operational Procedure

1. From the test, select "1:WLAN".

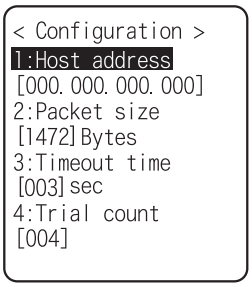


■Configuration

Setup the execute condition of the ping command. Wireless test is performed by ping.

Operational Procedure

1. Select "1:Configuration".



●Host address

Specifies the IP address of the targeted device to confirm the communication.

● Packet size (default 1472 bytes)

Select the size of the data packet (in bytes) to be transmitted.
permissible value ：32, 64, 128, 256, 512, 1024, 1472

●Time out time (default 3 seconds)

Time out time is setup by 1 seconds unit.
permissible value ：1 to 255 seconds

●Trial count (default 4 times)

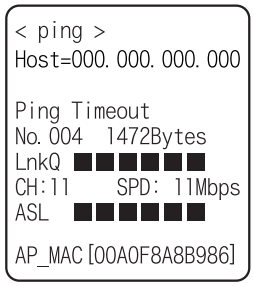
Set the number of attempts that can be made at transmitting the ping.
Setup enabled value :1 to 255 times
When 0 is specified, transmission of the ping command will continue until the Ⓒ key is pressed.

■WLAN/ping test

WLAN test is performed by executing the ping command. The ping packet is continuously transmitted to the Host IP address setup at "Configuration". Displayed contents are the result of ping command, the MAC address of the synchronized access point, communication quality (LinkQ), the received radio signal strength(ASL), applied channels and the transmission speed.

Operational Procedure

1. Select "2:WLAN/ping test".



<1st line> The title of this test.

<2nd line> Host IP address to be communication tested

<4th line> The result is displayed.
When succeeded
Result time is displayed. (Unit: msec)
Time out
"ping Timeout" is displayed.
When interrupted by the Ⓒ key
"stopped" is displayed.

<5th line > Transmitted packet number(counted up one by one) and packet size.

<6th line> LinkQ indicator is displayed.
LinkQ (means the communication quality to the access point) is displayed.

<7th line> Synchronized channel and the transmission speed are displayed.

<8th line> ASL indicator
ASL (means the strength of the radio signal received from the access point) is displayed.

<10th line> MAC address of the access point while wireless communications is displayed.

To get the stable enough communication performance it is recommended that the indicator should be LinkQ 4 or more.

In the case of EAP authentication or PSK-TKIP, an error message is displayed when authentication is failed.

The LinkQ in the 6th line and the ASL indicator on the 8th line do not show the strength of the radio signal correctly, just have this as a remindar of the communication status.

■AP Search

To search the access point matches the SSID setup on the terminal.
When the SSID of the terminal is setup to "ANY", it is possible to search all the access points around there.

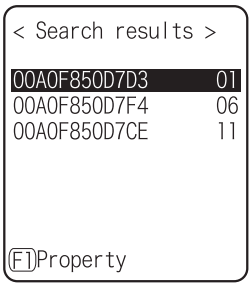
This is only performed when the setup at the access point, is set up as respond to "ANY". From security's point of view, the response to "ANY" may be disabled.

Displayed contents as a result of searching are MAC address, channel, SSID.

Operational Procedure

1. Select "3:AP Search".

2. The result of searching is displayed after several seconds to some ten seconds.

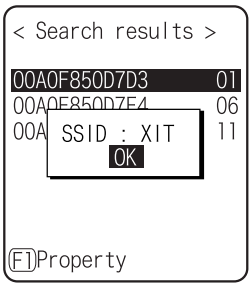


<1st line> The title of the test result.

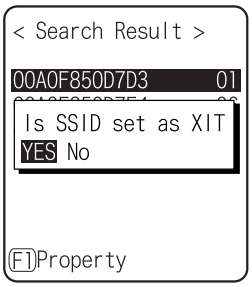
<3rd line or after> The MAC address of the detected access point and the channel number.

<10th line> The key guidance that displays SSID.

3. Press the F1 key, and the SSID set up at the selected access point is displayed.



4. Select an access point, the confirmation screen is displayed to set the SSID setup on the access point to the terminal. Confirmation screen is displayed to allow the SSID setup on the access point to the terminal.



3-16-2 Bluetooth

By using other terminal and Bluetooth, one to one communication is performed.

Operational Procedure

1. From the Test, select "2:Bluetooth".

Select the connecting method with Bluetooth device.

Master has the leadership on connection, and the Slave obey the Master's direction.

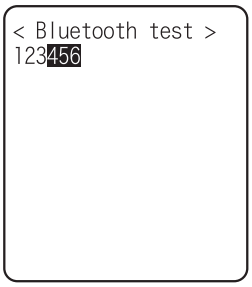
The connection only performed between Master and Slave.

In addition, Master and Slave are only temporary relationship on the connecting stage.

After the connection the relationship between the Master and Slave will be dissolved.

Before executing Bluetooth communication, the master device should be set up as a Default Device on the slave device (or a terminal). With regard to the setting method of the terminal, please refer to "■Remote device"(P.3-64).

2. Communication test start.



Press the key, upload the corresponding key data and display on the screen (local echo) at the same time.

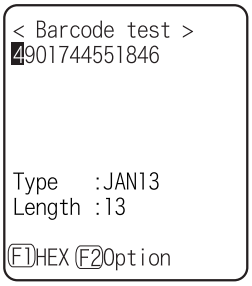
When the data is received, it appears highlighted on the display.

3-16-3 Barcode

Barcode scanning test perform.
In addition, this barcode scanning test is not subject to trigger mode.

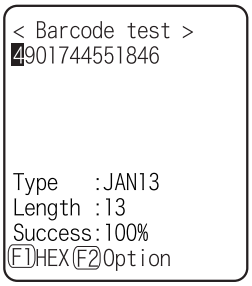
Operational Procedure

1. From the test menu, select "3:Barcode".



Barcode is scanned in a normal scanning mode.

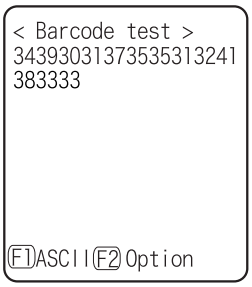
The scanned Barcode, the kind of Barcode, and the digit number are displayed.



Press and hold the scan key for 1 second to get into the continual scan mode.

While the scan key is pressed, the laser irradiates, and continues scanning the barcodes. Release the scan key to return to the ordinary scan mode.

In addition to the scanned Barcode, the kind of Barcode, and the digit number, scan success rate is also displayed.

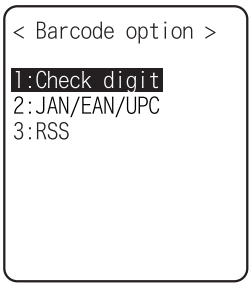


Press the F1 key to convert the character code to display.

- "ASCII" (default)
  displayed in ASCII Character code.
- "HEX"
  displayed in hexadecimal number. For example 16 digit converted from "5"to"35", "m" to "6D", 1 character is displayed as 16 digit positive 2 characters.

Each time by pressing the F1 key, the display switches.

■Barcode Option



Press the F2 key to allow setting varieties of barcode options.

In addition, this setup only enabled during the barcode testing.

●Check digit

Setup whether to check the check digit.

- [Check Enable] is set to OFF (default)
  The check of check digit is disabled.
- [Check Enable] is set to ON
  The check of check digit is enabled.

●JAN/EAN/UPC

Setup the scanning condition of add-on code of JAN/EAN/UPC.

- Ignore Add-on (default)
  Add-on code scanning disabled.
- Read all
  Both can be scanned unconditional whether add-on code is added.
- Read Add-on only
  JAN/EAN/UPC with add-on code only can be scanned.

●RSS

Setup the scanning condition of RSS Stacked.

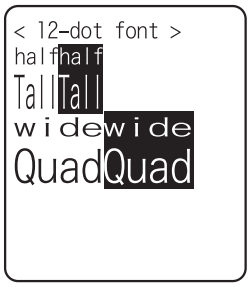
- Prohibition (default)
  RSS stacked scanning is disabled.
- Permission
  Scanning RSS Stacked is enabled.

3-16-4 Display

Display test.

Operational Procedure

1. From the Test, select "4:Display".



Test the function of LCD. When test starts the backlight turns ON automatically. However, when the Battery level is low it does not turn ON.

Each time by pressing the key except for the (PW) key, 4 kinds of display contents switches like slides.

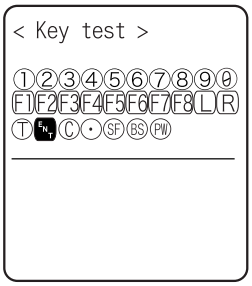
1. 12 dot font-various double width character
   ↓
2. 16 dot font-various double width character
   ↓
3. The display is highlighted from four corners to the center(the key does not work until the Display is Highlighted entirely)
   ↓
4. Welcat logo

When all the display ends, the backlight turns OFF to return to the previous operation.

3-16-5 Key

The key input test are performed with the indicator(buzzer/vibrator/LED/audio play) tests.

Operational Procedure



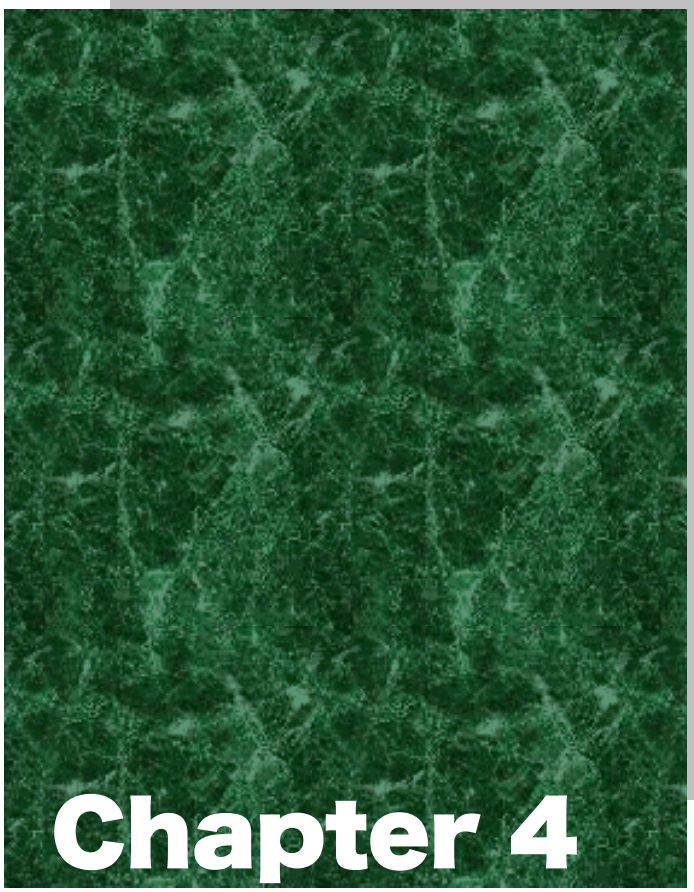
Press the key, and display the icon on the partition of the center got Highlighted (ENT key only reversed), and the icon corresponds to the key appears under the partition line (local eco). And the indicator corresponding to each key operates.

The indicator assigned to each key is as follows.

Key	Buzzer	Vibrator	LED	Audio play
⓪ to ⑨ , ⊙	○	×	Green (SCAN)	×
ENT , Ⓒ , BS , SF , PW	○	×	Red (ALRAM)	×
Scan key (Ⓣ, F9, F10)	×	○	Orange (SCAN)	×
F1	×	×	Red (SCAN)	Sound
F2	×	×	Red (SCAN)	Voice (Japanese)
F3	×	×	Red (SCAN)	Voice (Japanese)
F4	×	×	Red (SCAN)	Voice (Japanese)
F5	×	×	Red (SCAN)	Voice (Japanese)
F6	×	×	Red (SCAN)	Voice (Japanese)
F7	×	×	Red (SCAN)	Voice (Japanese)
F8	×	×	Red (SCAN)	Voice (Japanese)

The test will end when either the Ⓒ key is pressed twice, or all keys are pressed.

Such operations as power off by PW key or backlight adjustment by F4 key are enabled until all tests have finished.



FAQ (Frequently Asked Questions)

4-1 FAQ

FAQ (Frequently Asked Questions)
This chapter lists frequently asked questions, problems and operations that need to be performed to solve problems, and reference pages for items in this manual.

Q: The power does not turn ON.

- ■ Is the battery pack equipped correctly?----(P.1-4)
- ■ Is the battery pack charged?----(P.1-20)
- ■ Aren't the battery pack electrodes dirty?----(P.1-21)

Q: Nothing is displayed on the screen.

- ■ Is the battery pack equipped correctly?----(P.1-4)
- ■ Is the battery pack charged?----(P.1-20)
- ■ Aren't the battery pack electrodes dirty?----(P.1-21)

<In the case where the items mentioned above have been checked and the problem is still unsolved>

Please start the system menu using the following Method.

1. Remove the battery pack
2. Wait 10 seconds. Install the battery pack
3. Hold down the scan key then press the Ⓟ key.

Q: After not using for a while, the power is shut OFF.

- ■ Is the battery pack charged?----(P.1-20)
- ■ Hasn't the Auto-power-off function been set to start??----(P.3-21)

Q: It cannot charge.

- ■ Has the terminal been equipped with the charger correctly?
- ■ Has the charger been equipped with the battery pack correctly?
  Please refer to "1-6 Charging specification"(P.1-16).

Q: The System Menu does not start.

■ Is the "application" set to "Auto execute"?----(P.3-15)

From the System menu, select "1：System setup", and then select "1:Auto execute" to set the System menu for automatic launch.

■ To force the launch of the System Menu, hold the scan key then press the key.----(P.3-9)

Q: How do I change the application, which starts when the power is turned ON?

From the System Menu, select "1:System", then "1:Auto execute " to set the desired application for automatic launch. ----(P.3-15)

Q: How do I start another application?

From the System Menu"5：File", select "2：Application " then select "Execute" from "Sub Menu" to run.----(P.3-49)

Q: The Barcode is not scanned successfully.

■ Does the scanned Barcode meet the Barcode settings set in the application?

Some application settings prohibit a specific kind of Barcode from being scanned.

■ Isn't a specular reflection occurring?----(P.1-14)

■ Is scanning distance correct?----(P.1-13)

■ Isn't the filter of the Barcode sensor dirty?

If the filter of the Barcode sensor is dirty, the Barcode may not be scanned correctly. Please wipe the filter with a dry soft cloth.

■ Is the barcode of good quality?

If the barcode quality is bad, it may not scanned correctly, change the setting of the decode level and scan again.

Q: How do I check the free area of a drive?

From the System Menu, select "8:Manage" , then Select "5：drive" to check the drive----(P.3-80)

Q: I cannot perform wireless data communications.

■ Is the access point connected to the Ethernet LAN?

If the LAN cable has fallen out or a link is not established, some access points do not perform wireless communications.

<When the ALARM LED lights ON>

■ Is terminal SSID setting the same as the access point SSID settings?----(P.3-22)

Please set the access point SSID and terminal SSID the same.

When the terminal SSID is set to "ANY" (blank), it may be unable to connect because of the access point functions. Refer to the access point manual for more information.

■Is the authentication setup correct?----(P.3-27)

Please set the access point Authentication System and terminal Authentication System settings the same.

If in "SHARED" mode, please check the WEP settings.

■ Please check the Preamble setting.

XIT-100-BW's Preamble only support "Long" mode, please change the Preamble settings to "Long" mode.

<When ALARM LED turns off or blinks>

■ Are the WEP settings the same?

Are the WEP keys the same? ("Null," "40bits," "128bits")

Do the WEP's Tx KEY_ID and the WEP key match? (P.3-25)

■ Doesn't an access point with a same channel or interfering channel exist?

In the case where a non-interfering channel is set, a maximum of 4 access points can be used in the one area.

■Isn't the wireless transmission being interfered by an obstacle?

Please check whether there is no equipment, such as a microwave oven or other WLANs etc, which can cause interference.

Also, since a computer may act as a noise generation source, move the access point and terminal away from the computer (1m or more).

■ Aren't there any problems with the TCP/IP settings (IP address etc)?----(P.3-33)

Check it to see if the terminal can connect to the computer by using the ping command etc.

Q: I cannot perform Bluetooth communication.

■ Has the Remote device to be connected set as default device?----(P.3-64)

■ Are the Remote device to be connected and the Security setting identical?----(P.3-62)

■ Has the Remote device to be connected setup correctly?

・Does the Power turn ON?

・Is the connecting enabled?

■ Is the connecting procedure correct?

・Connect the PC and XIT-100-BW (P.1-9)

・Communication between the XIT-100-BW terminals (P.3-44～46)

・Bluetooth Clone (P.3-77)

・Bluetooth Test (P.3-86)

Q: Can I use at the same time both WLAN and Bluetooth in the same environment and on the same terminal?

You can use WLAN and Bluetooth at the same time, however the communication may be delayed due to mutual interference between wirelesses.

Q: "Writing Failed" was displayed during transmission or reception of a file.

■ This message is displayed when there is little space left on the F Drive.

Create some free space on the F Drive and S Drive by deleting some files then start again.

Q: "Time Out" was displayed during transmission or reception of a file.

This may be displayed after a fixed period of time has passed while in the transmission or reception waiting state.

■ Is the communication software running on the host computer?----(P.1-5)

■ Is the communication settings made correctly?----(P.1-5)

■ Are the XIT-100-BW and the host computer connected correctly?----(P.1-8)

■ Does the host computer have enough resources?

When applications other than the communication software are being used, the computer may run out of resources and cause the file transmission and reception to fail. Close as many applications not needed for communication as possible, and then try again.

Q: "Connection Failed" was displayed during transmission or reception of a file.

- Have the communication setup for wireless communications and the network setup been performed correctly?----(P.1-8)
- Is the FTP server running on the host computer?
- Are the access point (our recommended item) and computer connected correctly through the LAN circuit?----(P.1-8)
- Have the FTP settings been made correctly? ----(P.3-36)
- Has the BluePorter running on the host computer?
- Is it connected to the other remote device than the targeted remote device?
- Is the setup of the remote device and the security identical?
- Has the terminal ID and Remote device been setup correctly?

Q: I want to perform the setup of the terminal IP address etc. at a time from a computer.

Automatic setup of a terminal can be performed by using the DHCP server function of the " WebGlider-X "

Q: Starting an application or transmission/reception of a file cannot be performed.

When the voltage level of the battery pack is low, the XIT-100-BW is unable to handle some functions.
Is the battery pack charged? ----(P.3-74)

Q: I suspect that the file is corrupt.

Either delete the file, or transmit the file to the host computer to recover the data. ----(P.3-50～3-53)

Q: "System Error" was displayed and after pressing a key, the power turned OFF.

This is displayed when a system program is not able to specify the cause of an error. Possible causes include failures in hardware, system program or application, external factors like strong static electricity, and user errors. If a system error message is displayed, the power will be shut off if Ⓟ key is pressed. At the next startup, XIT-100-BW tries to restore as much as possible.
Please turn ON the power again.

Appendix. A

System Menu Factory Settings List

Appendix. A-1 System menu Factory Settings

Parameters	Possible Setting Range	Factory Settings
Auto execute	System menu or application	System menu
Resume	Enable, Disable	Disable
Password	Alphanumeric characters from 4 to 30, Upper-case character/Lower-case character are distinguished.	
Auto wake up	Specify any among “Month”, ”Week”, and ”Day”	
Auto power off	0000, or 0060 to 3600(seconds)	0600 (seconds)
SSID	Alphanumeric characters up to 32, Upper-case character/Lower-case character are distinguished.	XIT
Roaming level	Slow, Normal, Fast	Normal
Doze mode	Quick, 1 second, None	1 second
Encryption Method	Disabled, WEP(40Bit), WEP(128Bit), TKIP, TKIP+WEP128bit, TKIP+WEP40bit	Disabled
WEP Tx keyID	KEY-1, KEY-2, KEY-3, KEY-4	KEY-1
WEP key setting	Setting the contents of each WEP key (1, 2, 3, 4). Characters which can be used are "0" - "9", "A" - "F" and "a" - "f." When a 40 bits is Selected for "WEP," the WEP is a fixed 10 characters. When 128 bits is selected, it is a fixed 26 characters.	
PSK-TKIP	In ASCII characters, input the characters from 8 to 63. By 16 digit number, input up to 64 characters.	
Authentication Method	Open, Shared, EAP	Open
EAP mode	EAP-TLS, EAP-PEAP-MSCHAPv2	EAP-TLS
CA root Certificate	Select a file	
Client Certificate	Select a file	
Private key (File)	Select a file	
Private key (Password)	Alphanumeric characters up to 31, Upper-case character/Lower-case character are distinguished.	
WLAN authentication user name	Alphanumeric characters up to 62, Upper-case character/Lower-case character are distinguished.	
WLAN authentication Password	Alphanumeric characters up to 31, Upper-case character/Lower-case character are distinguished.	
At starting up authentication Time out	15 to 120	60 seconds
Attention	Display, Not Display	Display
Rate control	Auto, 1Mbps, 2Mbps, 1Mbps or 2Mbps, 5.5Mbps, 11Mbps	Auto
RTS_Threshold	0000 to 2347	2347(bytes)

Parameters	Possible Setting Range	Factory Settings
IP address	Any value of IP address style	000.000.000.000
NetMask	Any value of IP address style	000.000.000.000
Gateway	Any value of IP address style	000.000.000.000
MTU	0064 to 1500	1500(octets)
DHCP Startup type	Disabled, Application boot, System menu boot	Disabled
DHCP Update protect	IP address, NetMask, Gateway, ID (The plural can be selected)	Not selected
DHCP Server port	00001 to 65534	08067
FTP Server address Method	Address, Name	Address
FTP Address	Any value of IP address style	000.000.000.000
FTP Name	Alphanumeric and symbol characters up to 62, Upper-case character/Lower-case character are distinguished.	
FTP User name	Alphanumeric and symbol characters up to 18, Upper-case character/Lower-case character are distinguished.	
FTP Password	Alphanumeric and symbol characters up to 20, Upper-case character/Lower-case character are distinguished.	
FTP Server port	00001 to 65534	00021
FTP Mode	Passive, Active	Passive
FTP Current folder	/(Root), /(User name), /(Specified)	/(Root)
FTP Specified folder	Alphanumeric characters up to 62, Upper-case /Lower-case distinguished	
DNS Primary	Any value of IP address style	000.000.000.000
DNS Secondary	Any value of IP address style	000.000.000.000
DNS Server port	00001 to 65534	00053
DNS Time out time	01 to 99	03(seconds)
DNS Trial count	0 to 9	1
Cache time	0000 to 9999	0003(min)
SNMP Community(R/Only) Community name	Alphanumeric characters up to 16, Upper-case /Lower-case distinguished	public
SNMP Community(R/Only) Manager IP address	Any value of IP address style	000.000.000.000
SNMP Community(R/W) Community name	Alphanumeric characters up to 16, Upper-case /Lower-case distinguished	private
SNMP Community(R/W) Manager IP address	Any value of IP address style	000.000.000.000
SNMP Trap Community name	Alphanumeric characters up to 16, Upper-case /Lower-case distinguished	Welcat
SNMP Trap Manager IP address	Any value of IP address style	000.000.000.000

Parameters	Possible Setting Range	Factory Settings
SNMP Authentication Trap	Send, Not send	Not send
SNMP Agent port	00001 to 65534	00161
SNMP Trapport	00001 to 65534	00162
ID	000 to 999	000
Barcode Trigger operation	Normal, Double, Release, Auto	Normal
Barcode Power saving	Full, Quick, None	Full
Barcode Irradiation time	00 to 60	20 (seconds)
Barcode Decode level	Loose, Normal, Strict	Normal
Key repeat delay	0000 or, from 0100 to 1000	0500(milliseconds)
Key repeat rate	0000 or, from 0100 to 1000	0100(milliseconds)
Bluetooth local device Device name	Alphanumeric and symbol characters up to 30, Upper-case /Lower-case distinguished	XIT-100
Bluetooth local device Pairing	Enable, Disable	Disable
Bluetooth local device PIN code	16 digit characters (0 to 9, A to F) up to 16	
Bluetooth Remote device 1 to 7 device name	Alphanumeric and symbol characters up to 30, Upper-case /Lower-case distinguished	No name
Bluetooth Remote device 1 to 7 BD address	16 digit characters (0 to 9, A to F) up to 12	00:00:00:00:00:00
Bluetooth Remote device 1 to 7 Pairing	Enable, Disable	Disable
Bluetooth Remote device 1 to 7 PIN code	16 digit characters (0 to 9, A to F) up to 16	
Bluetooth Remote device sear-choption	1 to 9	9
Display contrast	Level 1 to 8	Level 4
Backlight Luminosity	High, Low	High
Volume	Level 1 to 8	Level 8
Click Sound	None, Beep, Beep + Audio, Audio	None

Appendix. B

Sample Barcode

Appendix. B-1 Sample Barcode

■JAN13

■JAN8

■UPC-E

■CODE39(C/D)

(notes) It is not likely to be able to read because of low printing quality (Expansion, Reduction, Dirt, etc.).

■CODE39(No C/D)

■NW-7(C/D)

■NW-7(No C/D)

■NW-7(HEX)

(notes) It is not likely to be able to read because of low printing quality (Expansion, Reduction, Dirt, etc.).

■ITF(C/D)

■ITF(No C/D)

■ITF(Standard ITF-14)

■ITF(Extended ITF-16)

(notes) It is not likely to be able to read because of low printing quality (Expansion, Reduction, Dirt, etc.).

■ITF(Add on version ITF-6)

■CODE128(Code set A)

■CODE128(Code set B)

■CODE128(Code set C)

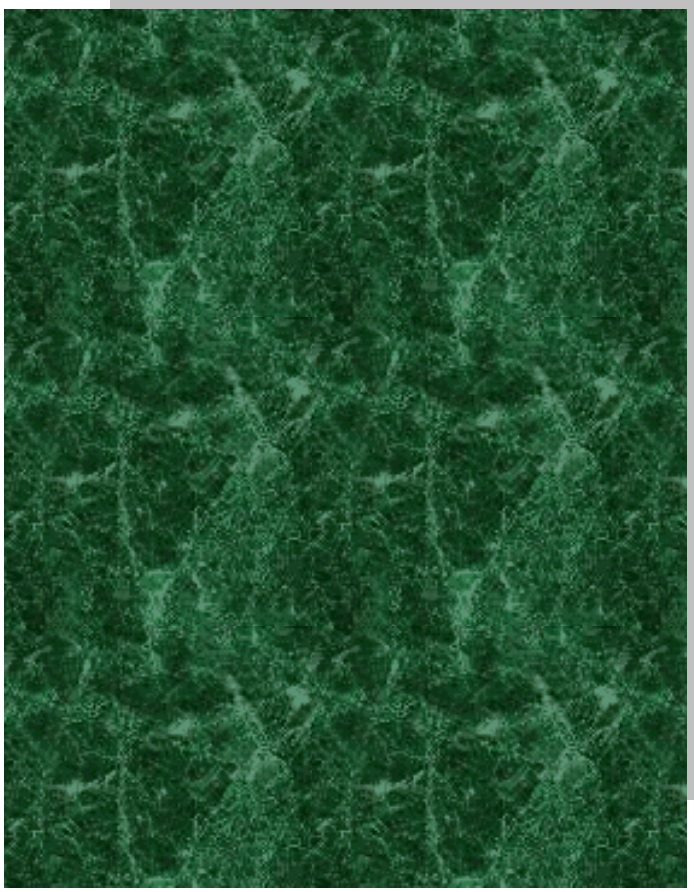
(notes) It is not likely to be able to read because of low printing quality (Expansion, Reduction, Dirt, etc.).

■EAN128(Code set A)

■EAN128(Code set B)

■EAN128(Code set C)

(notes) It is not likely to be able to read because of low printing quality (Expansion, Reduction, Dirt, etc.).



Index

Index

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Welcat Inc.