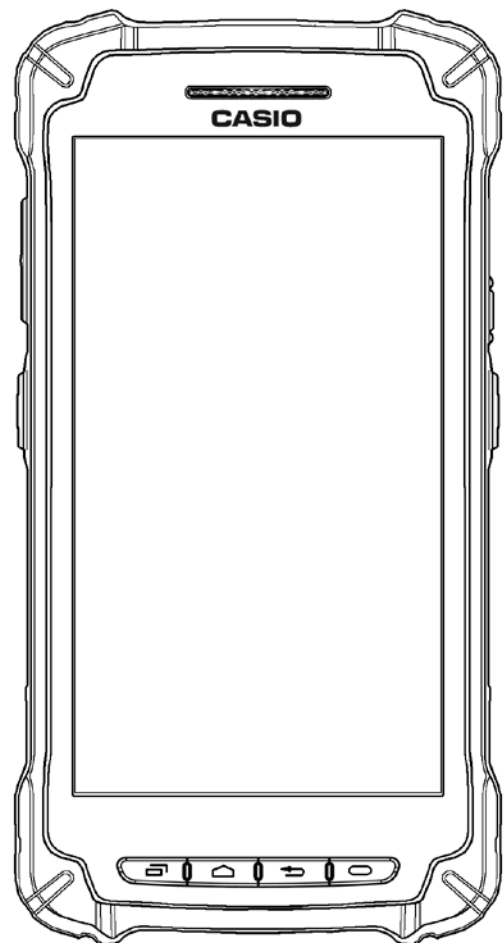




IT-G400 Series

Android 6.0 Kitting Tool Manual

This manual describes the software specification of IT-G400.



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Preface

This reference manual explains about the **Kitting Tool**.

[Cautions!!]

This tool is developed to work with Casio Android products other than IT-G400. So, this document and tools also include "Functions not supported by IT-G400".

IT-G400 does not support the following functions.

- (1) Cradle kitting

1. Overview

The task of taking various settings to IT-G400 and installing application programs and preparing them for use in business is called "kitting".

This tool is to make kitting work for IT-G400 efficient.

■ General kitting work

In general kitting, we repeat the following work for each terminal one by one.

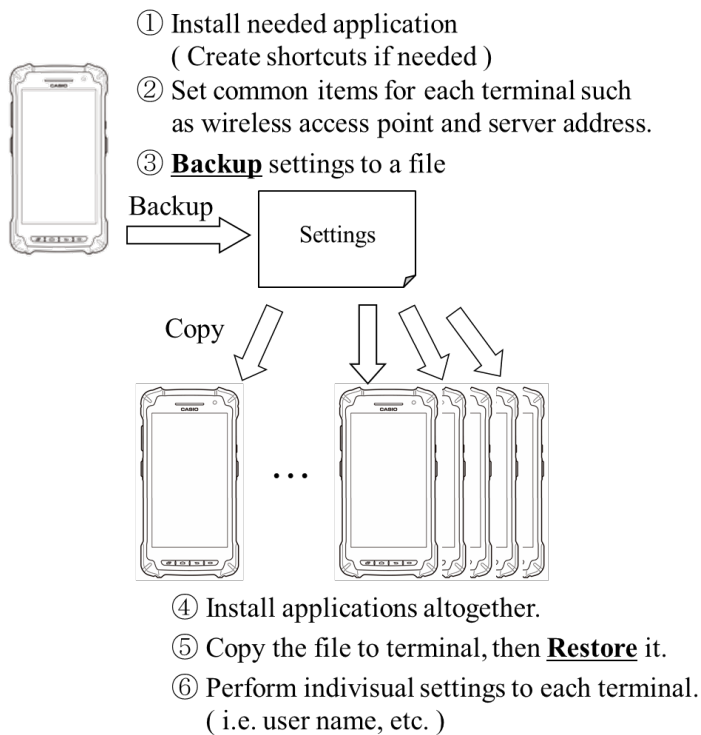
(1) Perform various settings

Set necessary items such as wireless LAN, server address, operator's account etc.

(2) Install applications

Install applications / programs to be used one by one

■ In case of using KittingTool



<< Kitting tool used in the above figure >>

③ Backup settings	• • • KitSettings.apk
④ Restore settings	• • • KitSettings.apk
⑤ Install applications altogether	• • • KitDevice.apk
⑥ Perform individual settings	• • • KitDevice.apk

Cautions!

Shortcuts created in ① will also be targets of Backup of ③. Therefore, restoration of ⑤ needs to be done after ④.

2. Outline of Kitting

Kitting tool eliminates mistakes caused by general kitting work by creating the definition file beforehand.

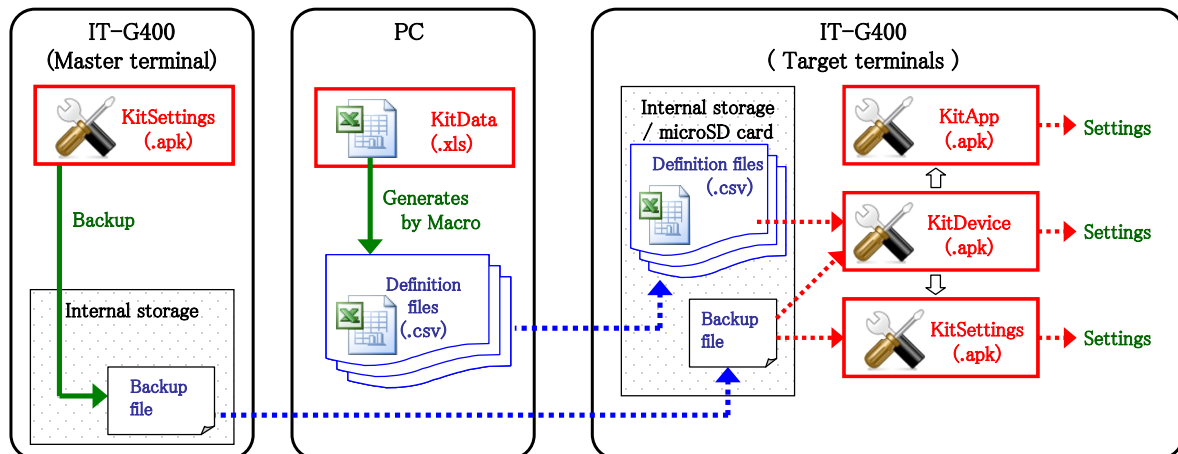
This tool consists of the following tools.

<< Tools to be installed and used on IT-G400 >>

	Tool name	Description
1	KitSettings.apk	It is used to Backup / Restore terminal settings (part of Android settings).
2	KitDevice.apk	It is used to install applications on terminals and make individual settings. The setting content to be set on the terminal using this tool must be created in advance using KitData.xls (described later).
3	KitApp.apk	It is used to delete (hide) applications unnecessary for work. The information system department does not want operators to use applications unrelated to work. In order to fulfill this hope, the IT-G 400 has two functions. (1) You can lock home screen and settings. (2) You can erase unnecessary applications from the home screen. This tool is used to "erase unnecessary applications from the home screen". Use "power launcher" when locking home screen and setting. For details of "Power launcher", refer to "Software Manual".

<< Uses to create definition file on PC >>

4	KitData.xls	This is the source file for creating the definition file used by KitDevice. The actual definition file is generated using Excel macros. It works on Microsoft Excel (2003 ~ 2016).
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3. KitSettings

3.1 Functions

Save the terminal settings to storage (Backup), or restore the saved settings to the terminal (Restore).

Cautions!!

KitSettings restarts the terminal after restoring.

Also, be sure to restore the backed up data with the same OS version.

The settings targeted by this tool are shown in the table below.

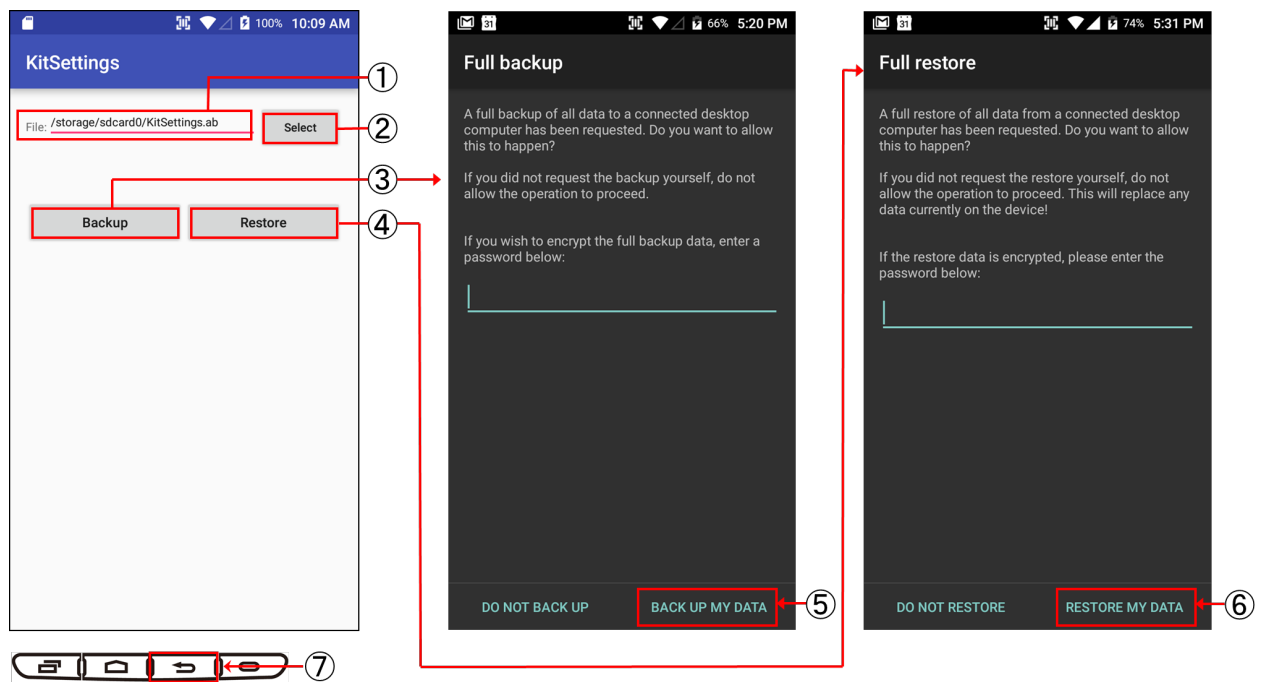
	Target of Backup/Restore	Description
1	Settings app	The contents set on the setting screen are targeted. For the detail, confirm the following "Caution!".
2	Home display (i.e. Launcher2 app)	Save shortcuts placed on the home screen and contents displayed in the application list.
3	Power Launcher app	"Power Launcher" is a tool to block use of home screen (home key) with password. KitSettings targets the setting of "Power Launcher".
4	ScanSettings app	"ScanSettings" is a tool for setting barcode scanner. It is not necessary to call Device Library from the application program. KitSettings targets the setting of "ScanSettings". Please refer to the Device Library Manual for possible values that can be backed up and restored by the ScanSetting.
5	Program Buttons app	"ProgramButtons" is used to assign another function to the trigger key or function key. KitSettings targets settings of "ProgramButtons".

[Cautions !!]

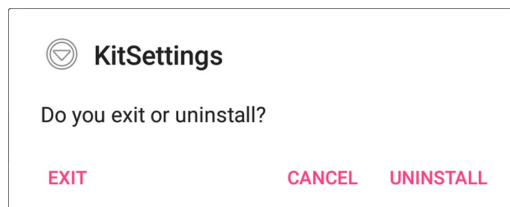
"Backup / Restore" by KitSettings is realized by calling up the backup function and the restore function of each application via "Android's Backup manager Service". "Setting" in the above table calls the backup / restore function in Settings.apk via Backup manager service. Likewise, "Launcher2.apk" is called for backing up the "home screen".

Therefore, be aware that the contents to be backed up / restored depends on the policy of each application, not "all settings".

If the expected settings are not backed up / restored, set them manually.



- ① Path of the file used for backup or restore
- ② Open dialog for changing the path above
- ③ Back up settings
- ④ Restore settings
- ⑤ Start backup of data (password can be omitted)
- ⑥ Start restoring data
- ⑦ Exit this utility.



4. KitDevice

4.1 Feature

This utility supports up kitting operation for the device.
It works on the device, and supplies following functions.

Table 4.1

No	Feature	Overview
1	Files	This function collectively executes to operate file and directory.
2	Install	This function collectively installs application softwares (.apk) in storage (SD card/..).
3	Clipboard	This function copies character string into the clipboard.
4	Settings	This function makes it easy to configure Settings utility's configuration items which value should be unique for each device.

4.1.1 Files

This function collectively executes following operations for file/directory in accordance with contents of definition file.

- 1 Copy file
- 2 Delete file
- 3 Create directory
- 4 Delete directory (Note1)
- 5 Copy directory
- 6 Unzip zip file (Note2)
- 7 Restore back-up data (Note3)
- 8 Silent install

Note1: **KitDevice** deletes specified directory including all sub-directories and files.
However read-only directories and external storage is not applicable (If these are specified, an error will occur).

Note2: **KitDevice** can unzip only zip file which is zipped on IT-G400.
Check with your own risk when using ZIP file compressed with PC.

Note3: **KitDevice** can restore only back-up data that **Backup/Restore** utility generates.
After completing to restore, the device will be rebooted automatically.
KitDevice must not restore back-up data that **Backup/Restore** utility generates on the device that **KitDevice** is installed. In this case, restore procedure will not work correctly.

4.1.2 Install

This function installs all application softwares (.apk) that are in root directory of storage (SD card/Internal storage).

Note: If there is this utility on specified storage, it's skipped to install this utility.

4.1.3 Clipboard * Common for all devices

This function copies character strings into the clipboard.

This makes it easy to input key/password when you install application software.

4.1.4 Settings

This function makes it easy to configure **Settings** utility's following configuration items which value should be unique for each device.

- 1 **Wi-Fi**
- 2 **Ethernet**
- 3 **More**
- 4 **Clipboard**

Note: The purpose of this clipboard is to copy unique strings for each device.

On the other hand, the purpose of clipboard mentioned in "4.1.3 Clipboard" is to copy common strings for all devices.

Configuration items

Configuration items which can configure by this utility are shown below.

Note: The name of configuration item in following table is quoted from **Settings** utility (**Android** standard utility).

Table 4.2 Configuration items (**Wi-Fi**)

No	Configuration item		Description
1	Advanced options	IP Settings	Alternative to get IP address via DHCP or STATIC IP address
2		IP address	IP address when to connect with static IP address
3		Gateway	Gateway when to connect with static IP address
4		Network prefix length	Network-prefix-length of subnetmask when to connect with static IP address
5		DNS1	DNS1 when to connect with static IP address
6		DNS2	DNS2 when to connect with static IP address
7		Proxy Settings	Alternative to configure proxy or NONE
8		Proxy hostname	Proxy hostname when to use proxy
9		Proxy port	Proxy port when to use proxy
10		Bypass proxy for	Bypass proxy when to use proxy

Note: **Wi-Fi** configuration by this utility works only for access-point which status is **Connected** or **Saved** on **Settings** utility.

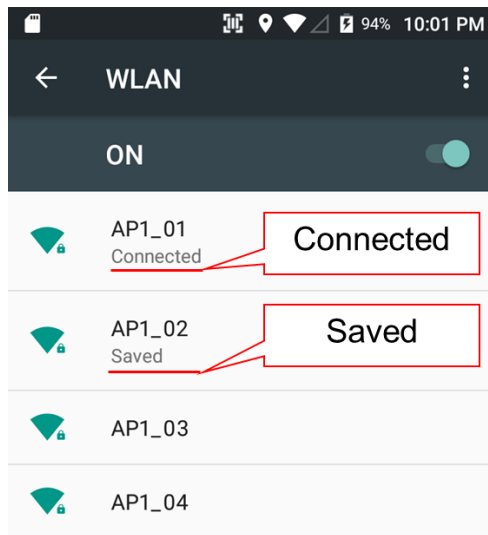


Figure 4.1

Table 4.3 Configuration items (**Ethernet**)

No	Configuration item		Description
1	Tablet IP or eth0	IP Settings	Specify to get IP address via DHCP or STATIC IP address
2		IP address	IP address when to connect with static IP address
3		Gateway	Gateway when to connect with static IP address
4		Network prefix length	Network-prefix-length of subnetmask when to connect with static IP address
5		DNS1	DNS1 when to connect with static IP address
6		DNS2	DNS2 when to connect with static IP address
7		Proxy Settings	Specify whether to configure proxy or NONE
8		Proxy hostname	Proxy hostname when to use proxy
9		Proxy port	Proxy port when to use proxy
10		Bypass proxy for	Bypass proxy when to use proxy

Table 4.4 Configuration items (**More...**)

No	Configuration item		Description
1	Mobile networks	Access Point Names	Name
2			Name of access-point setting
3			APN
4			Name of access-point
5			Proxy
6			Proxy to connect
7			Port
8			Port to connect
9			Username
10			User-name to connect
11			Password
12			Password to connect
13			Server
14			Server address to connect
15			MMSC
16			MMSC address to connect
17			MMS proxy
18			MMS proxy to connect
19			MMS port
20			MMS port to to connect
21			MCC
22			MMC to connect
23			MNC
24			MNC to connect
25			Authentication type
26			Authencication type to connect
27			APN type
28			APN type to connect
29			APN protocol
30			APN protocol to connect

Note: This configuration items are available on the device which supports **Mobile networks**.

4.2 Screen

4.2.1 Main activity

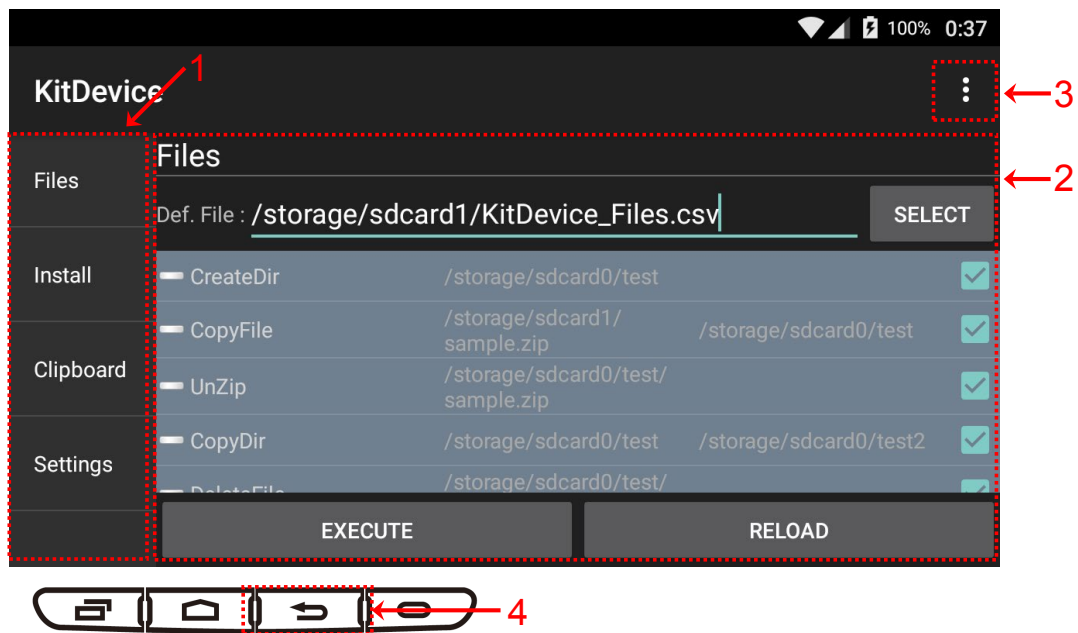


Figure 4.2

Table 4.5

No	Item	Description
1	Select fragment	Select the function (Files/Install/Clipboard/Settings) to execute. The function selected in this fragment is shown on Execute fragment .
2	Execute fragment	Display/execute kitting functions.
3	Submenu	Execute following submenus. 1 Reload (Option) : Reload definition file for option of this utility. 2 Option : Display Option activity. See “4.2.6 Option activity” for its details. 3 Copy Devices : Launch Copy Devices utility. (Note1) 4 KitApps : Launch KitApps utility. (Note1) 5 KitCradle : Launch KitCradle utility. (Note1) 6 Version : Display Version screen. See “4.2.7 Version activity” for its details
4	Exit	Exit this utility. (Note2)

Note1: This menu appears in case target utility is installed on the device.

Note2: Following activity appears when to push this button.

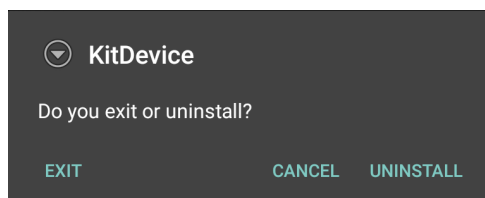


Figure 4.3

Push **Exit** button to terminate this utility, push **Uninstall** button to un-install this utility.

4.2.2 Files activity

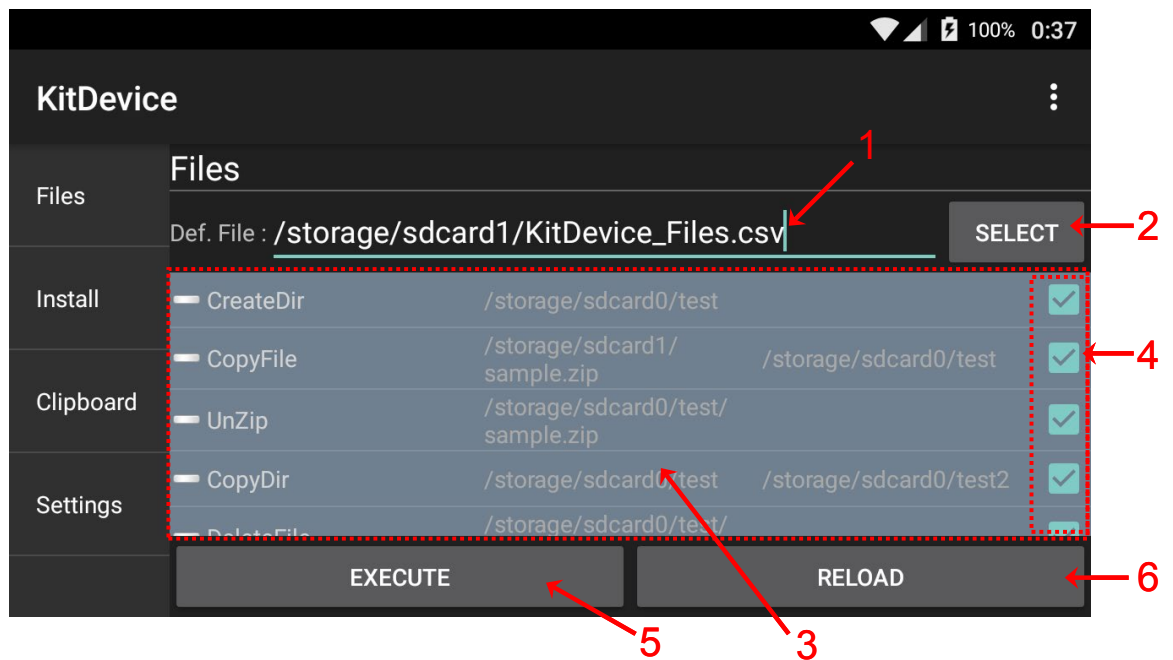


Figure 4.4

Table 4.6

No	Item	Description
1	Definition file	Specify definition file (KitDevice_Files.csv) for this function. See “6 KitData” for its details.
2	Select	Display the activity to select definition file.
3	Command list	Show all operations specified in definition file.
4	Execution check	Check on/off operation to execute.
5	Execute	Execute operation specified in definition file.
6	Reload	Reload definition file.

Note1: Following progress activity appears when to push this button.



Figure 4.5

Icon in **Command list** will be updated in accordance with result. (✓: Success, ✗: Failed)

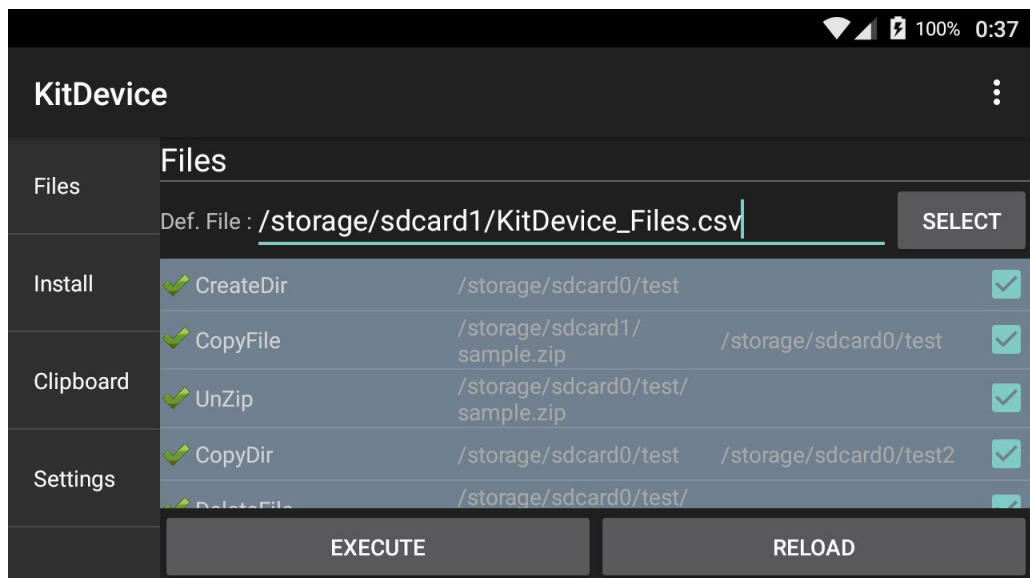


Figure 4.6

Configuration Items

Configuration items of this functionality are shown below.

Table 4.7

No	Configuration Item	Description	Value (Note1)
1	Command	Specify the command of Files function.	(Note2)
2	Parameter1	Specify the first parameter of the command specified in above Command column.	Any string
3	Parameter2	Specify the second parameter of the command specified in above Command column.	Any string

Note1: It's allowed to input only ASCII character font..

Note2: See following table for its details.

Table 4.8

No	Command	Parameter1	Parameter2
1	CopyFile	Path of source file to copy	Path of destination file to copy
2	DeleteFile	Path of source file to delete	-
3	CreateDir	Path of source directory to create	-
4	DeleteDir	Path of source directory to delete	-
4	CopyDir	Path of source directory to copy	Path of destination directory to copy
6	UnZip	Path of source file to unzip	-
7	Restore	Path of directory which stores backup data of Backup/Restore utility (Note3)	Specifying reboot=no can suppress rebooting. Otherwise reboots after restoring. (Note4)
8	SilentInstall	Path of directory which stores application softwares (.apk)	-

Note3: Path of directory which stores backup data is “/storage/sdcard0”.

Note4: Parameter2 of the Restore command can be used from version 1.05 or later of the definition file.

<Example of definition file>

```
[Version 1.05]
CreateDir,/storage/sdcard0/usrdic
CopyFile,/storage/sdcard1/SAMPLE1.txt,/storage/sdcard0/usrdic/
CopyDir,/storage/sdcard1/SAMPLE2,/storage/sdcard0/
UnZip,/storage/sdcard1/SAMPLE3.zip
DeleteFile,/storage/sdcard1/SAMPLE3.zip
Restore,/storage/sdcard0
SilentInstall,/storage/sdcard1/SAMPLE3
DeleteDir,/storage/sdcard1/SAMPLE3
```

4.2.3 Install activity

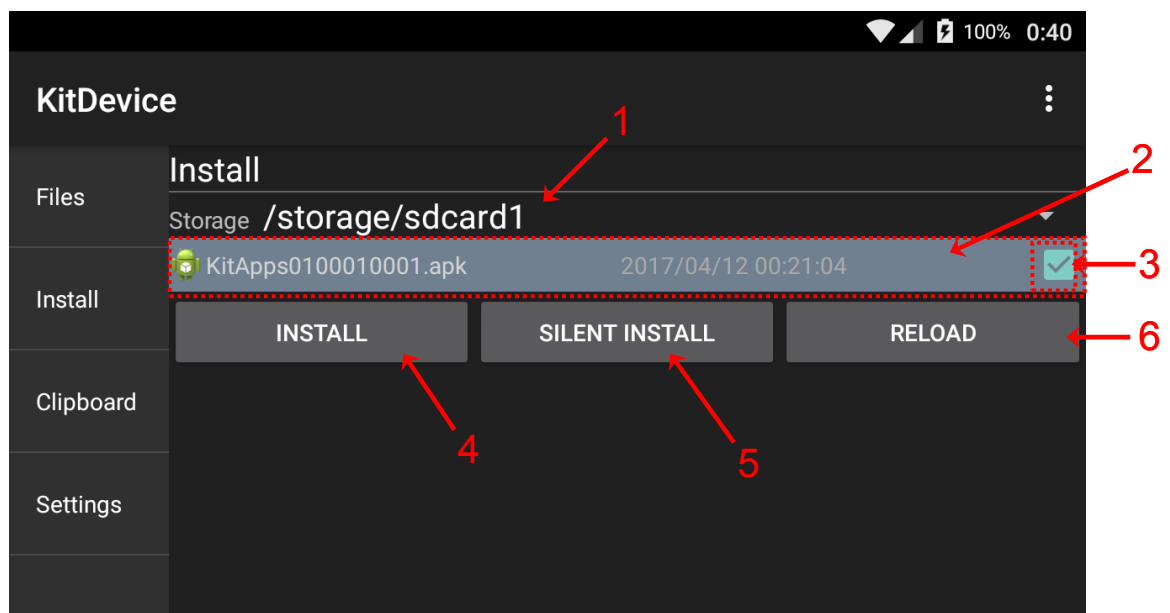


Figure 4.7

Table 4.9

No	Item	Description
1	Storage	Select target storage to search application softwares (.apk) to install.
2	Command list	Show all application softwares (.apk) under target storage.
3	Execution check	Check on/off operation to install.
4	Install (Note1)	Install all application softwares (.apk) checked at Execution check .
5	Silent install (Note2)	Install silently all application softwares (.apk) checked at Execution check .
6	Reload	Search again all application softwares (.apk) in root directory of target storage.

Note1: The activity to confirm installing application software appears when to push this button.

Icon in **Command list** will be updated in accordance with result. (✓: Success, ✗: Failed)

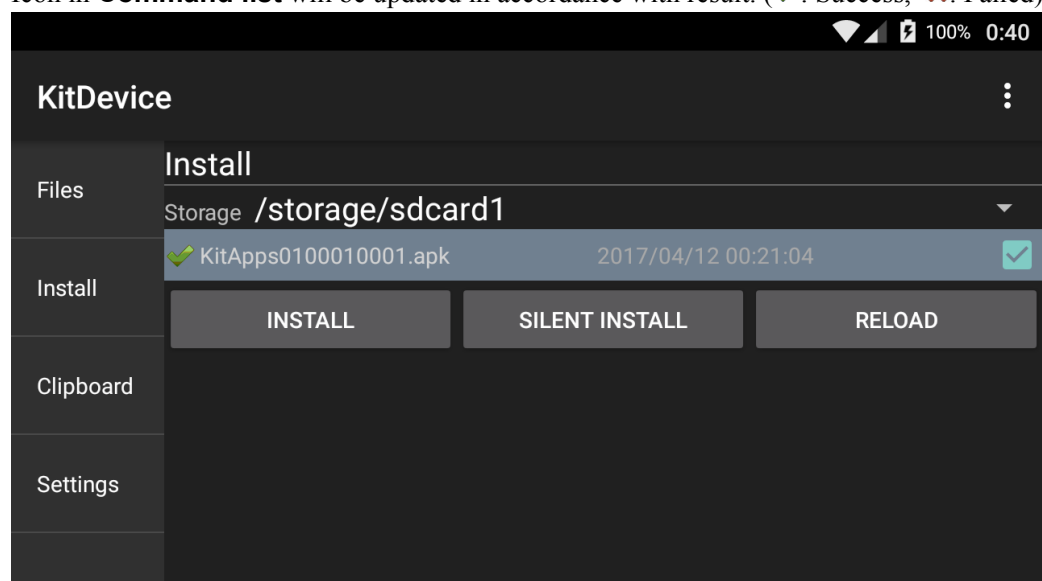


Figure 4.8

Note2: Don't execute when to install application softwares which require serial key / password/..

4.2.4 Clipboard activity

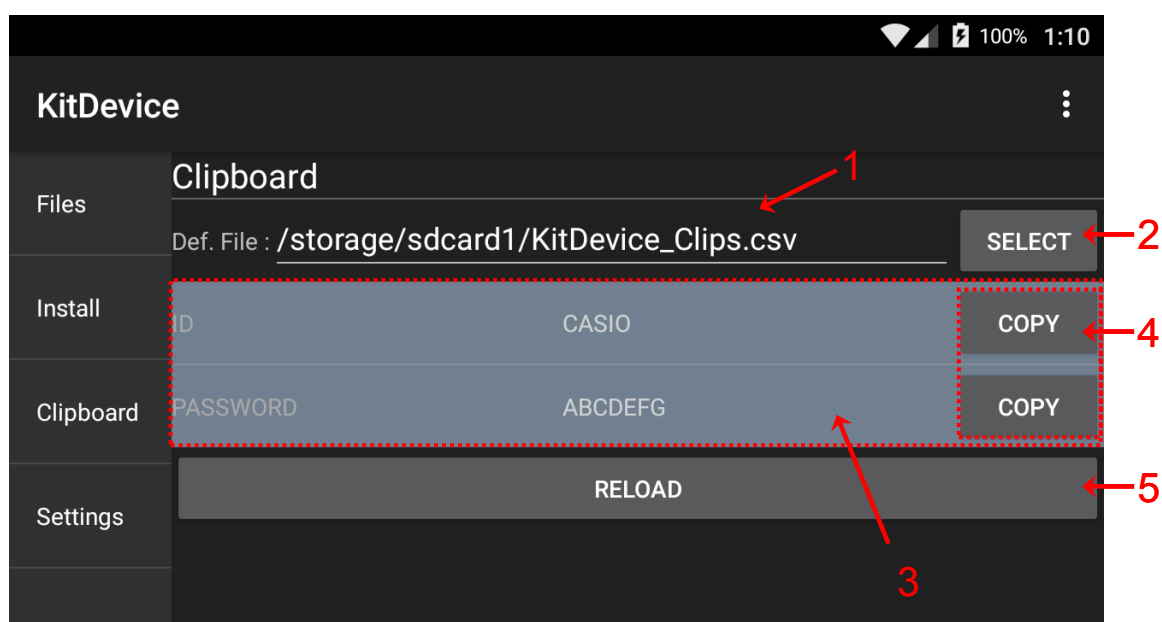


Figure 4.9

Table 4.10

No	Item	Description
1	Definition file	Specify definition file (KitDevice_Clips.csv) for this function. See “6 KitData” for its details.
2	Select	Display the activity to select definition file.
3	Command list	Show all character string specified in definition file.
4	Copy (Note1)	Copy character string into the clipboard.
5	Reload	Reload definition file.

Note1: Character string copied into the clipboard by this utility will be cleared when this utility is terminated/un-installed.

Example of practical operation

- 1) The screen, which requires serial key for activation of application software, appears

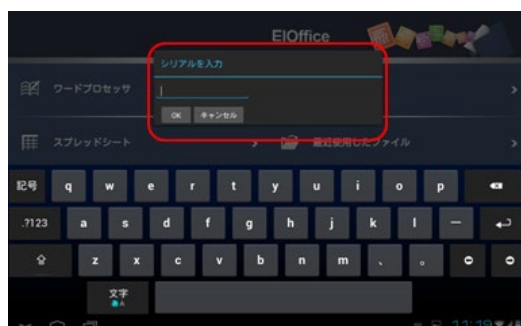


Figure 4.10

- 2) Show this utility from **Recent** button

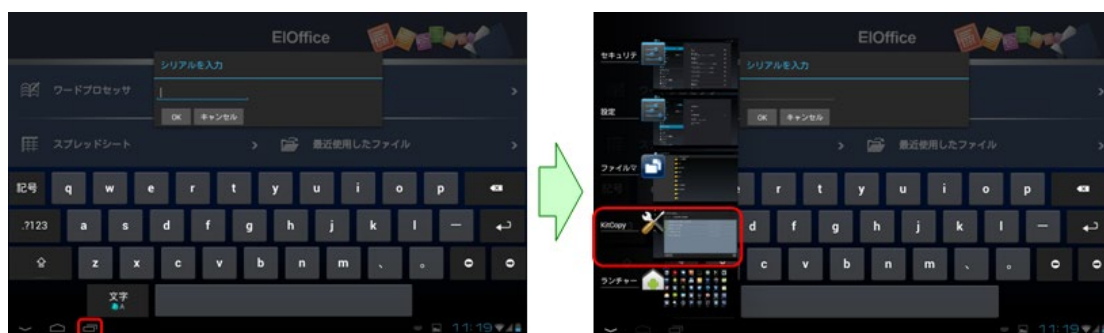


Figure 4.11

3) Copy character string into the clipboard

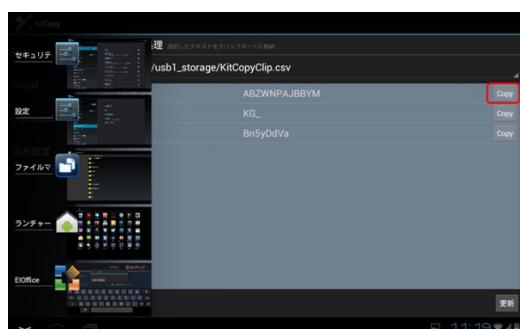


Figure 4.12

4) Return to the target screen (above 1), hold down input area on its screen, and paste character string of clipboard (above 3)

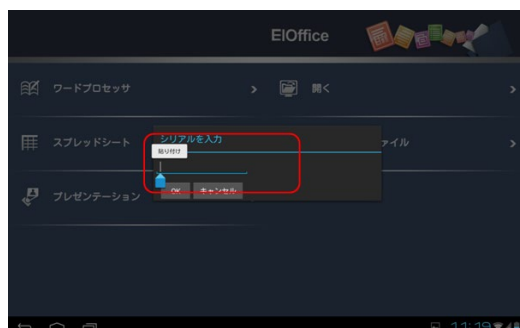


Figure 4.13

Configuration Items

Configuration items of this functionality are shown below.

Table 4.11

No	Configuration Item	Description	Value (Note1)
1	CopyTitle	Specify the title of string to copy.	Any string
2	CopyData	Specify the configuration value of string to copy. This string is copied into clipboard by KitDevice utility.	Any string

Note1: It's allowed to input only ASCII character font.

<Example of definition file>

[Version 1.0]

ID,CASIO

PASSWORD,No123456

4.2.5 Settings activity

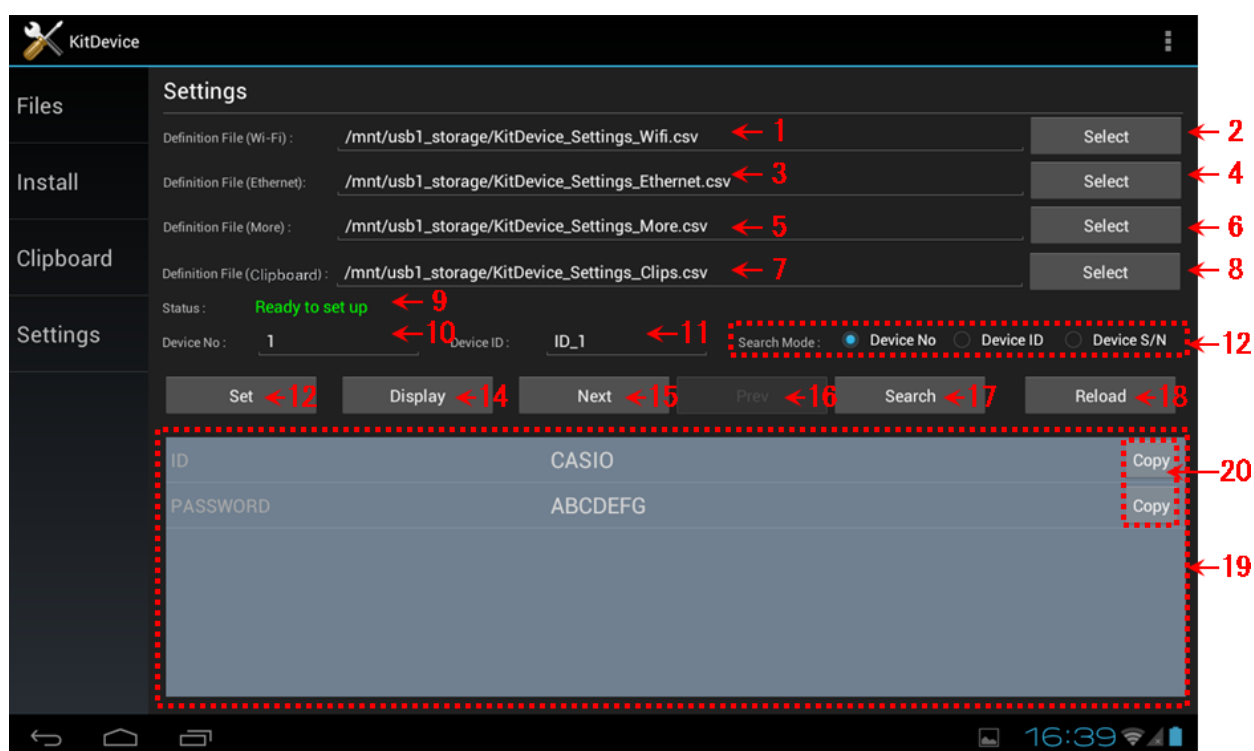


Figure 4.14

Table 4.12

No	Item	Description
1	Definition file (Wi-Fi)	Specify definition file (KitDevice_Settings_Wifi.csv) for Wi-Fi setting. See “6 KitData” for its details.
2	Select	Display the activity to select definition file for Wi-Fi setting.
3	Definition file (Ethernet)	Specify definition file (KitDevice_Settings_Ethernet.csv) for Ethernet setting. See “6 KitData” for its details.
4	Select	Display the activity to select definition file for Ethernet setting.
5	Definition file (More)	Specify definition file (KitDevice_Settings_More.csv) for More setting. See “6 KitData” for its details.
6	Select	Display the activity to select definition file for More setting.
7	Definition file (Clipboard)	Specify definition file (KitDevice_Settings_Clips.csv) for Clipboard setting. See “6 KitData” for its details.
8	Select	Display the activity to select definition file for Clipboard setting.
9	Status (Note1)	Indicate the status of configuration values, specified in definition file, which device NO/ID matches with that specified on this activity.
10	Device No	Specify number of target device specified in definition file.
11	Device ID	Specify ID of target device specified in definition file.
12	Search Mode (Note2)	Select one of following mode to search configuration values specified in definition file. (1) Search by device No (2) Search by device ID (3) Search by device S/N (Serial Number)
13	Set (Note3) (Note4)	Configure configuration values to the device.
14	Display	Display the activity which indicates configuration values, specified in definition file, which device NO/ID matches with that specified on this activity.
15	Next	Search configuration values, specified in definition file, which Device No/ID is

		one more than that specified on this activity.
16	Prev	Search configuration values, specified in definition file, which Device No/ID is one less than that specified on this activity.
17	Search	Search configuration values, specified in definition file, which device NO/ID matches with that specified on this activity.
18	Reload	Reload definition file.
19	Clipboard	Show character string specified in the record, which Device No/ID is matched with Device No/ID specified on this activity, of definition file (KitDevice_Settings_Clips.csv).
20	Copy	Copy character string into the clipboard.

Note1: Following status is shown.

Table 4.13

No	Indication	Status
1	Ready to set up	Configuration values have never been configured to the device.
2	Saved	Configuration values have already been configured to the device.

Note2: Default value is read by definition file for option (**KitDevice_Options.csv**) when this utility launches.

In case following all conditions are satisfied, this utility search automatically configuration values from definition file

- (a) **Search mode** is specified as **Device S/N** in definition file for option of this utility.
- (b) Configuration value, which device serial number matches with current device serial number, is specified in definition file.

In case **Device S/N** is specified, **Device No/ID** radio button will be disabled.

However in case only above condition (a) is satisfied, **Search mode** will be automatically selected as **Device No**, and the head of configuration values in definition file will be searched on the activity.

Note3: When this button is pushed, configuration for items (**Wi-Fi/Ethernet/More**) that definition file path is specified on edit text of this activity will start.

And following progress activity appears.



Figure 4.15

When to complete configuration, following toast message will appear.

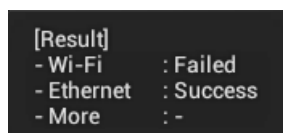


Figure 4.16

“Success” : Success to configure

“Failed” : Failed to configure

“-” : Not attempt to configure (definition file is not specified)

Device serial number of the device will be saved into definition file in case to succeed configuration and satisfy following conditions.

- 1 There is no serial number, which match with that of current device, in definition file

2 Serial number is set up in the device

Note4: In case configuration for **Wi-Fi/Ethernet** was succeeded, following activity, which prompts to reboot the device, will appear.

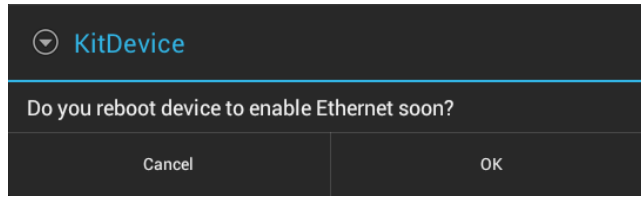


Figure 4.17

In case to push **OK** button of this activity, then rebooting the device will start automatically, then configuration by this utility will be valid after rebooting the device.

In case **Mobile networks** (specified in **KitDevice_Settings_More.csv**) is configured, it will take a while that the configuration value of **Mobile networks** will appear on **Settings** utility after the device is rebooted.

Configuration Items

Configuration items of this functionality are shown below.

(1) Wi-Fi

Table 4.14

No	Configuration Item	Description	Value (Note1)
1	ID	Specify ID of target device to configure.	Any string
2	Serial number	Specify serial number of target device to configure.	Any string
3	SSID	Specify SSID of access-point to connect.	Any string
4	IpAddr (Note2)	Specify IP address when to connect with static IP address.	Any address
5	Subnetmask (Network prefix length) (Note2)	Specify subnetmask when to connect with static IP address.	Any address
6	DefaultGateway (Note2)	Specify gateway when to connect with static IP address.	Any address
7	DNS1 (Note3)	Specify DNS1 when to connect with static IP address.	Any address
8	DNS2 (Note3)	Specify DNS2 when to connect with static IP address.	Any string
9	ProxyHost (Note4)	Specify proxy hostname when to configure proxy.	Any number
10	ProxyPort (Note4)	Specify proxy port when to configure proxy.	Any string
11	ProxyExclusion	Specify bypass proxy when to configure proxy.	Any string
12	NTP	Specify NTP server address.	Any string

Note : If comma character is included in specified item, comma character with double quote at both ends will be utputted in definition file.

Note1 : It's allowed to input only ASCII character font.

Note2 : In case of using static IP, these are neccessary to set. In case of using DHCP, these settings are unnecessary.

Note3 : Specify the DNS server address if needed. When omitted, it is treated as using DHCP.

Note4 : Specify the proxy server address if necessary. If omitted, it is treated as not using proxy.

<Example of definition file>

```
[Version 1.1]
1,DeviceID1,HIM2A00601,SSID-1,192.1.60.1,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
2,DeviceID2,HIM2A00602,SSID-1,192.1.60.2,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
3,DeviceID3,HIM2A00603,SSID-1,192.1.60.3,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
4,DeviceID4,HIM2A00604,SSID-1,192.1.60.4,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
5,DeviceID5,HIM2A00605,SSID-1,192.1.60.5,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
6,DeviceID6,HIM2A00606,SSID-1,192.1.60.6,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
7,DeviceID7,HIM2A00607,SSID-1,192.1.60.7,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
8,DeviceID8,HIM2A00608,SSID-1,192.1.60.8,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
9,DeviceID9,HIM2A00609,SSID-1,192.1.60.9,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
10,DeviceID10,HIM2A00610,SSID-1,192.1.60.10,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
11,DeviceID11,HIM2B00601,SSID-1,192.1.70.1,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
12,DeviceID12,HIM2B00602,SSID-1,192.1.70.2,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
13,DeviceID13,HIM2B00603,SSID-1,192.1.70.3,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
14,DeviceID14,HIM2B00604,SSID-1,192.1.70.4,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
15,DeviceID15,HIM2B00605,SSID-1,192.1.70.5,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
16,DeviceID16,HIM2B00606,SSID-1,192.1.70.6,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
17,DeviceID17,HIM2B00607,SSID-1,192.1.70.7,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
18,DeviceID18,HIM2B00608,SSID-1,192.1.70.8,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
19,DeviceID19,HIM2B00609,SSID-1,192.1.70.9,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
20,DeviceID20,HIM2B00610,SSID-1,192.1.70.10,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
```

(2) Ethernet

Table 4.15

No	Configuration Item	Description	Value (Note1)
1	ID	Specify ID of target device to configure.	Any string
2	Serial number	Specify serial number of target device to configure.	Any string
3	IpAddr (Note2)	Specify IP address when to connect with static IP address.	Any address
4	Subnetmask (Network prefix length) (Note2)	Specify subnetmask when to connect with static IP address.	Any address
5	DefaultGateway (Note2)	Specify gateway when to connect with static IP address.	Any address
6	DNS1	Specify DNS1 when to connect with static IP address.	Any address
7	DNS2	Specify DNS2 when to connect with static IP address.	Any string
8	ProxyHost (Note3)	Specify proxy hostname when to configure proxy.	Any number
9	ProxyPort (Note3)	Specify proxy port when to configure proxy.	Any string
10	ProxyExclusion	Specify bypass proxy when to configure proxy.	Any string

Note : If comma is included in specified item, comma with double quote at both ends will be outputted in definition file.

Note1 : It's allowed to input only ASCII character font.

Note2 : In case this item is not specified, **KitDevice** utility will configure as **DHCP** on **V-T500/V-N500**.

Note3 : In case this item is not specified, **KitDevice** utility will configure proxy settings as **NONE**.

<Example of definition file>

```
[Version 1.0]
1,DeviceID1,HIM2A00601,192.1.60.1,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
2,DeviceID2,HIM2A00602,192.1.60.2,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
3,DeviceID3,HIM2A00603,192.1.60.3,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
4,DeviceID4,HIM2A00604,192.1.60.4,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
5,DeviceID5,HIM2A00605,192.1.60.5,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
6,DeviceID6,HIM2A00606,192.1.60.6,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
7,DeviceID7,HIM2A00607,192.1.60.7,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
8,DeviceID8,HIM2A00608,192.1.60.8,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
9,DeviceID9,HIM2A00609,192.1.60.9,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
10,DeviceID10,HIM2A00610,192.1.60.10,255.255.255.0,192.1.60.200,192.1.60.201,192.1.60.202,proxy.hostA,8080,localhostA
11,DeviceID11,HIM2B00601,192.1.70.1,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
12,DeviceID12,HIM2B00602,192.1.70.2,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
13,DeviceID13,HIM2B00603,192.1.70.3,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
14,DeviceID14,HIM2B00604,192.1.70.4,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
15,DeviceID15,HIM2B00605,192.1.70.5,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
16,DeviceID16,HIM2B00606,192.1.70.6,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
17,DeviceID17,HIM2B00607,192.1.70.7,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
18,DeviceID18,HIM2B00608,192.1.70.8,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
19,DeviceID19,HIM2B00609,192.1.70.9,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
20,DeviceID20,HIM2B00610,192.1.70.10,255.255.0.0,192.1.70.200,192.1.70.201,192.1.70.202,proxy.hostB,9090,localhostB
```

(3) More

Table 4.16

No	Configuration Item	Description	Value (Note1)
1	ID	Specify ID of target device to configure.	Any string
2	Serial number	Specify serial number of target device to configure.	Any string
3	Default	Specify to set access-point as default or not.	Nmumber 0: Not set 1: Set
4	Name (Note2)	Specify name of access-point	Any string
5	Apn (Note2)	Specify address of access-point	Any string
6	Proxy	Specify proxy to connect	Any string
7	Port	Specify port to connect	Any number
8	Username	Specify user-name to connect	Any string
9	Password	Specify password to connect	Any string
10	Server	Specify server address to connect	Any string
11	Mmsc	Specify MMSC address to connect	Any string
12	MmsProxy	Specify MMS proxy to connect	Any string
13	MmsPort	Specify MMS port to to connect	Any number
14	MCC (Note2)	Specify MMC to connect	Any number
15	MNC (Note2)	Specify MNC to connect	Any number
16	AuthType	Specify authentication type to connect.	Number 0: None 1: PAP 2: CHAP 3: PAP or CHAP
17	ApnType	Specify APN type to connect	Any string
18	ApnProtocol	Specify APN protocol to connect	Number 0: IPv4

Note : If comma character is included in specified item, comma character with double quote at both ends will be outputted in definition file.

Note1 : It's allowed to input only ASCII character font.

Note2 : These can not be omitted. If omitted, this APN setting itself is invalidated.

<Example of definition file>

```
[Version 1.0]
1,DeviceID1,HIM2A00601,1,APN1,xx.ne.jp,Proxy1,8080,User1,Pass1,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
2,DeviceID2,HIM2A00602,1,APN1,xx.ne.jp,Proxy1,8080,User2,Pass2,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
3,DeviceID3,HIM2A00603,1,APN1,xx.ne.jp,Proxy1,8080,User3,Pass3,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
4,DeviceID4,HIM2A00604,1,APN1,xx.ne.jp,Proxy1,8080,User4,Pass4,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
5,DeviceID5,HIM2A00605,1,APN1,xx.ne.jp,Proxy1,8080,User5,Pass5,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
6,DeviceID6,HIM2A00606,1,APN1,xx.ne.jp,Proxy1,8080,User6,Pass6,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
7,DeviceID7,HIM2A00607,1,APN1,xx.ne.jp,Proxy1,8080,User7,Pass7,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
8,DeviceID8,HIM2A00608,1,APN1,xx.ne.jp,Proxy1,8080,User8,Pass8,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
9,DeviceID9,HIM2A00609,1,APN1,xx.ne.jp,Proxy1,8080,User9,Pass9,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
10,DeviceID10,HIM2A00610,1,APN1,xx.ne.jp,Proxy1,8080,User10,Pass10,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
11,DeviceID11,HIM2B00601,0,APN1,xx.ne.jp,Proxy1,8080,User11,Pass11,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
12,DeviceID12,HIM2B00602,0,APN1,xx.ne.jp,Proxy1,8080,User12,Pass12,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
13,DeviceID13,HIM2B00603,0,APN1,xx.ne.jp,Proxy1,8080,User13,Pass13,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
14,DeviceID14,HIM2B00604,0,APN1,xx.ne.jp,Proxy1,8080,User14,Pass14,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
15,DeviceID15,HIM2B00605,0,APN1,xx.ne.jp,Proxy1,8080,User15,Pass15,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
16,DeviceID16,HIM2B00606,0,APN1,xx.ne.jp,Proxy1,8080,User16,Pass16,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
17,DeviceID17,HIM2B00607,0,APN1,xx.ne.jp,Proxy1,8080,User17,Pass17,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
18,DeviceID18,HIM2B00608,0,APN1,xx.ne.jp,Proxy1,8080,User18,Pass18,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
19,DeviceID19,HIM2B00609,0,APN1,xx.ne.jp,Proxy1,8080,User19,Pass19,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
20,DeviceID20,HIM2B00610,0,APN1,xx.ne.jp,Proxy1,8080,User20,Pass20,Server1,http://mms.xx,192.1.0.1,8000,400,20,0,"xx,yy",0
```

(4) Clipboard

Table 4.17

No	Configuration Item	Description	Value (Note1)
1	ID	Specify ID of target device to configure.	Any string
2	Serial number	Specify serial number of target device to configure.	Any string
3	CopyTitleI XX (Note2)	Specify the title of string to copy.	Any string
4	CopyData XX (Note2)	Specify the configuration value of string to copy. This string is copied into clipboard by KitDevice utility.	Any string

Note : If comma character is included in specified item, comma character with double quote at both ends will be outputted in definition file.

Note1 : It's allowed to input only ASCII character font.

Note2 : In case this utility is in the initial state, value 1-10 are numbered at XX part in above table beforehand. If these columns are in short for your usage, add columns (by copy and paste ...).

<Example of definition file>

```
[Version 1.03]
1,DeviceID1,HIM2A00601,CopyTitle1-1,CopyData1-1,CopyTitle1-2,CopyData1-2,CopyTitle1-3,CopyData1-3
2,DeviceID2,HIM2A00602,CopyTitle2-1,CopyData2-1,CopyTitle2-2,CopyData2-2,CopyTitle2-3,CopyData2-3
3,DeviceID3,HIM2A00603,CopyTitle3-1,CopyData3-1,CopyTitle3-2,CopyData3-2,CopyTitle3-3,CopyData3-3
4,DeviceID4,HIM2A00604,CopyTitle4-1,CopyData4-1,CopyTitle4-2,CopyData4-2,CopyTitle4-3,CopyData4-3
5,DeviceID5,HIM2A00605,CopyTitle5-1,CopyData5-1,CopyTitle5-2,CopyData5-2,CopyTitle5-3,CopyData5-3
```

Note:

- Consecutive number is automatically saved at the left end of each line in definition file when definition file is generated by this utility.
- When **Settings** is done by **KitDevice** utility,
 - 1) The flag which means saved status will be added at the right end of line in definition file.
 - 2) Device serial number detected by the device will be saved into definition file

4.2.6 Option activity

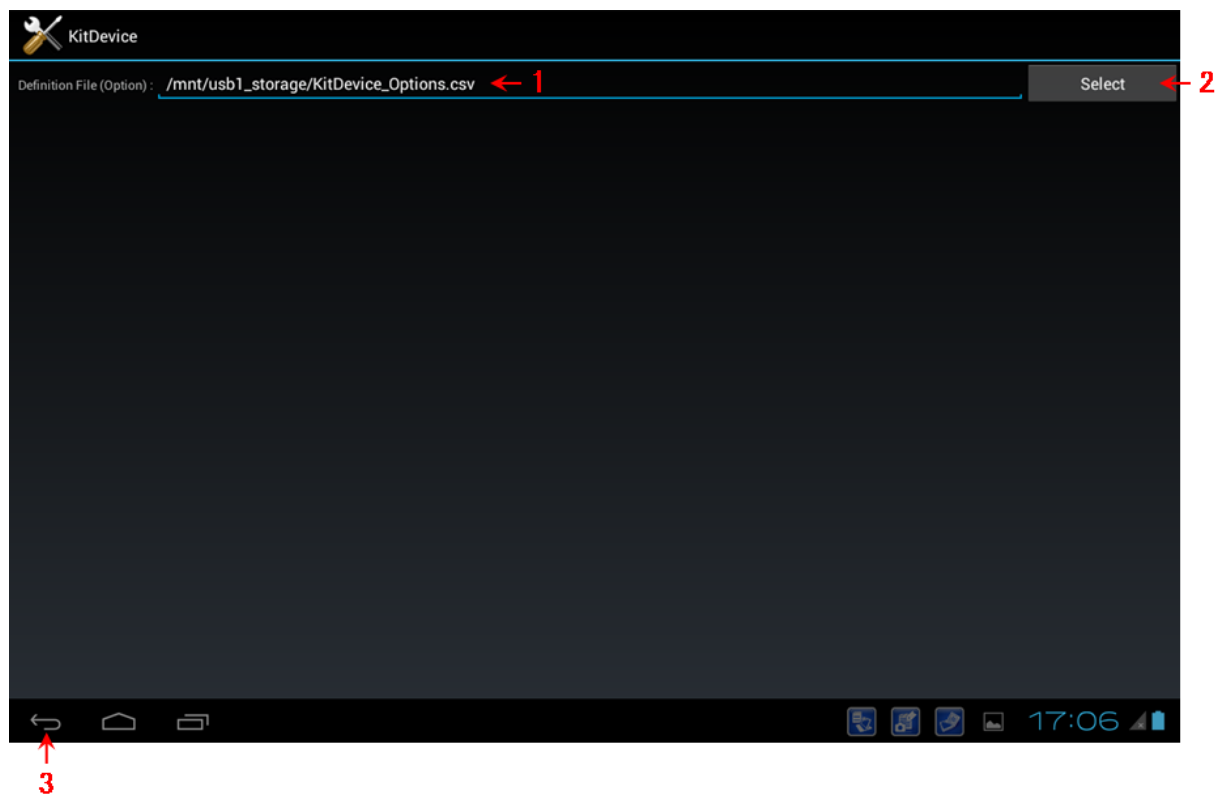


Figure 4.18

Table 4.18

No	Item	Description
1	Definition file	Specify definition file for option of this utility. See “6 KitData” for its details.
2	Select	Display the activity to select definition file.
5	Exit	Exit this activity.

Configuration Items

Configuration items of this functionality are shown below.

Table 4.19

No	Configuration Item	Description	Value (Note1)
1	KitDevice_Files	Specify the path of Files function of KitDevice utility. [Default value] (Note2) /storage/sdcard0/KitDevice_Files.csv	Any string
2	KitDevice_Install	Specify the storage path which is searched by Install function of KitDevice utility. [Default value] (Note2) /storage/sdcard0	Any string
3	KitDevice_Clips	Specify the path of Clipboard function of KitDevice utility. [Default value] (Note2) /storage/sdcard0/KitDevice_Clips.csv	Any string

4	KitDevice_Settings_Wifi	Specify the path of Settings function, concerning Wi-Fi , of KitDevice utility. [Default value] (Note2) /storage/sdcard0/KitDevice_Settings_Wifi.csv	Any string
5	KitDevice_Settings_Ethernet	Specify the path of Settings function, concerning Ethernet , of KitDevice utility. [Default value] (Note2) /storage/sdcard0/KitDevice_Settings_Ethernet.csv	Any string
6	KitDevice_Settings_More	Specify the path of Settings function, concerning More , of KitDevice utility. [Default value] (Note2) /storage/sdcard0/KitDevice_Settings_More.csv	Any string
7	KitDevice_Settings_Clips	Specify the path of Settings function, concerning Clipboard , of KitDevice utility. [Default value] (Note2) None	Any string
8	KitDevice_Settings_SearchMode	Specify the search mode to search configuration values, specified in definition file, by KitDevice utility. [Default value] (Note2) Device No	Number 0: Device No 1: Device ID 2: Device serial no

Note1 : It's allowed to input only ASCII character font.

Note2 : In case definition file generated by this sheet is not existed when **KitDevice** utility launches, this default value will be applied to **KitDevice** utility.

<Example of definition file>

```
[Version 1.0]
KitDevice_Files,/storage/sdcard1/KitDevice_Files.csv
KitDevice_Install,/storage/sdcard1
KitDevice_Clips,/storage/sdcard1 /KitDevice_Clips.csv
KitDevice_Settings_Wifi,/storage/sdcard1 /KitDevice_Settings_Wifi.csv
KitDevice_Settings_Ethernet,/storage/sdcard1/KitDevice_Settings_Ethernet.csv
KitDevice_Settings_More,/storage/sdcard1/KitDevice_Settings_More.csv
KitDevice_Settings_Clips,/storage/sdcard1/KitDevice_Settings_Clips.csv
KitDevice_Settings_SearchMode,2
```

4.2.7 Version activity

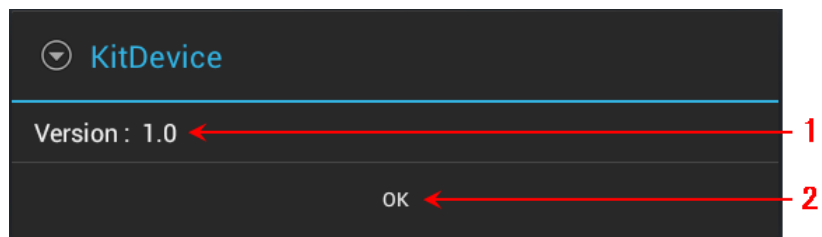


Figure 4.19

Table 4.20

No	Item	Description
1	Version information	Display version information of this utility.
2	OK	Exit this activity.

5. KitApps

5.1 Feature

This utility supports up kitting operation for application softwares installed in the device. It works on the device, and supplies following function.

Table 5.1

No	Feature	Overview
1	Enable/disable application software	This function enables/disables application softwares installed in device.

5.1.1 Enable/disable application software

This function enables/disables application softwares installed in device. The application software disabled by this utility disappears from the screen, and appears again if enabled by this utility.

(1) Disable application software

The application software disabled by this utility will be in following state.

1 Icons and widgets on drawer and home screen will disappear. (Note1)

2 The information about application software will not be shown on **Settings** utility (**Android** standard utility).

Note1 : Icons and widgets disappeared from home screen will not appear even if enabled again.

(2) Enable application software

The application software enabled by this utility will be restored to its original condition (except Icons and widgets on home screen).

5.2 Screen

5.2.1 Main activity

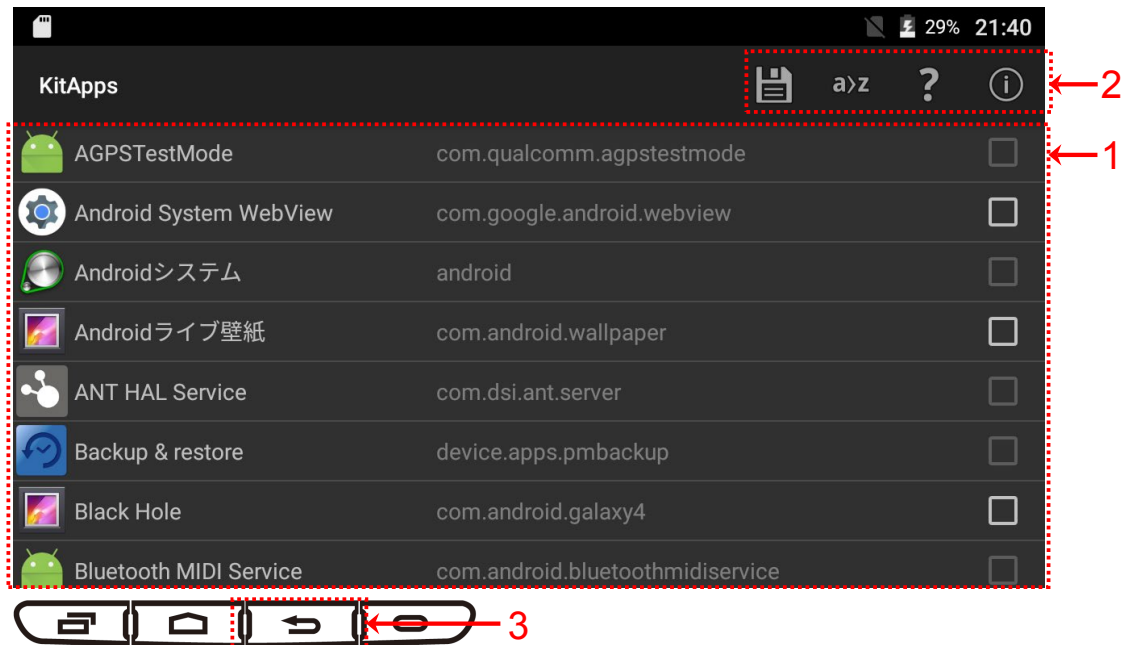






Figure 5.1

Table 5.2

No	Item	Description
1	Application softwares list	This list shows all application softwares installed in the device (except this utility). Following information of each application software is shown. 1 Application name 2 Package name 3 The state of enabled/disabled (Note1)
2	Menu bar	Execute following menus.  : Output the information of application softwares list into following csv file. (Note2) /storage/sdcard0/KitApps.csv  : Sort application softwares list. (Note3)  : Show help activity of this utility. (Note4)  : Show the activity of device information (Note5)
3	Exit	Exit this utility

Note1: The application software disabled by this utility is checked on.

(1) How to disable application software

Check on target application software at application softwares list of this utility.
It will take a few seconds to reflect in system.

Some application softwares may affect system and other application softwares.
If this kind of application software is disabled, system may be unstable or other application software may not work correctly.
For that reason, please check about above matter before disabling an application software.

(2) How to enable application software

Check off target application software at application softwares list of this utility.

It will take a few seconds to be enabled.

Note2: File specification is shown below.

- Font code : UTF-8
- Format : CSV
- Contents : No, application name, package name, version name, version code

Note3: Icon indicates current sorting order.

 : Sorted by application name (default)

 : Sorted by package name

It's impossible to save this sorting order.

Note4: Following help activity appears.

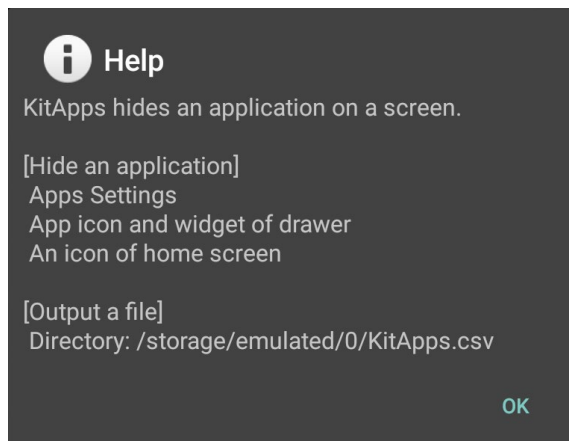
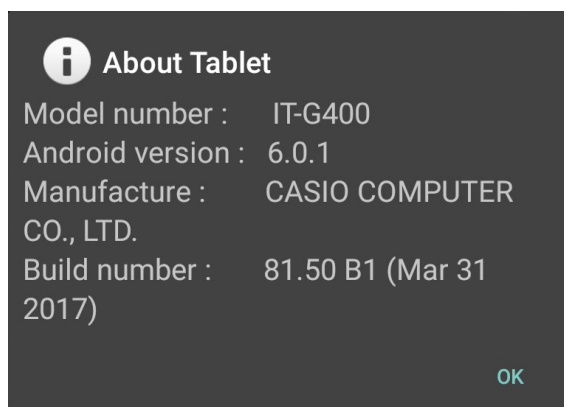


Figure 5.2

Note5: Following information is shown on the activity of device information.

- 1 Model number
- 2 **Android** version
- 3 Manufacture
- 4 Build number



6. KitData

6.1 Feature

This utility generates definition files for **Kitting Tool**.

It works on **Microsoft Excel (2003-2016)**, and supplies following function.

Table 6.1

No	Feature	Overview
1	Generate definition files	This function generates definition files for Kitting Tool .

6.1.1 Generate definition file

This function generates following definition files.

Table 6.2

No	Target	Definition file	Overview
1	KitDevice	KitDevice_Files.csv	This is definition file for Files function of KitDevice utility.
2		KitDevice_Clips.csv	This is definition file for Clipboard function of KitDevice utility.
3		KitDevice_Settings_Wifi.csv	This is definition file for Settings function, concerning Wi-Fi , of KitDevice utility.
4		KitDevice_Settings_Ethernet.csv	This is definition file for Settings function, concerning Ethernet , of KitDevice utility.
5		KitDevice_Settings_More.csv	This is definition file for Settings function, concerning More , of KitDevice utility.
6		KitDevice_Settings_Clips.csv	This is definition file for Settings function, concerning Clipboard , of KitDevice utility.
7		KitDevice_Options.csv	This is definition file for option of KitDevice utility.
8	KitCradle	KitCradle_Settings_Ethernet.csv	This is definition file for Settings function, concerning Ethernet , of KitCradle utility.
9		KitCradle_Options.csv	This is definition file for option of KitCradle utility.

File specification is shown below.

- Format : CSV

6.2 Screen

6.2.1 Main screen

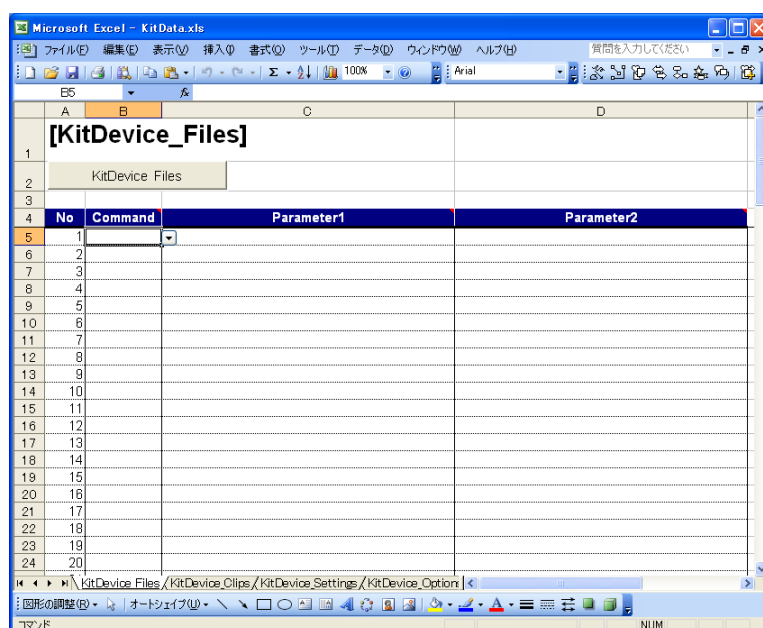


Figure 6.1

This utility is constructed by following sheets.

Table 6.3

No	Sheet	Description
1	KitDevice_Files	This sheet enables to input configuration value and generate file for KitDevice_Files.csv .
2	KitDevice_Clips	This sheet enables to input configuration value and generate file for KitDevice_Clips.csv .
3	KitDevice_Settings	This sheet enables to input configuration value and generate file for (1) KitDevice_Settings_Wifi.csv (2) KitDevice_Settings_Settings.csv (3) KitDevice_Settings_More.csv (4) KitDevice_Settings_Clips.csv
4	KitDevice_Options	This sheet enables to input configuration value and generate file for KitDevice_Options.csv .

6.2.2 KitDevice_Files sheet

This sheet enables to input configuration value and generate definition file **KitDevice_Files.csv** for **Files** function of **KitDevice** utility.

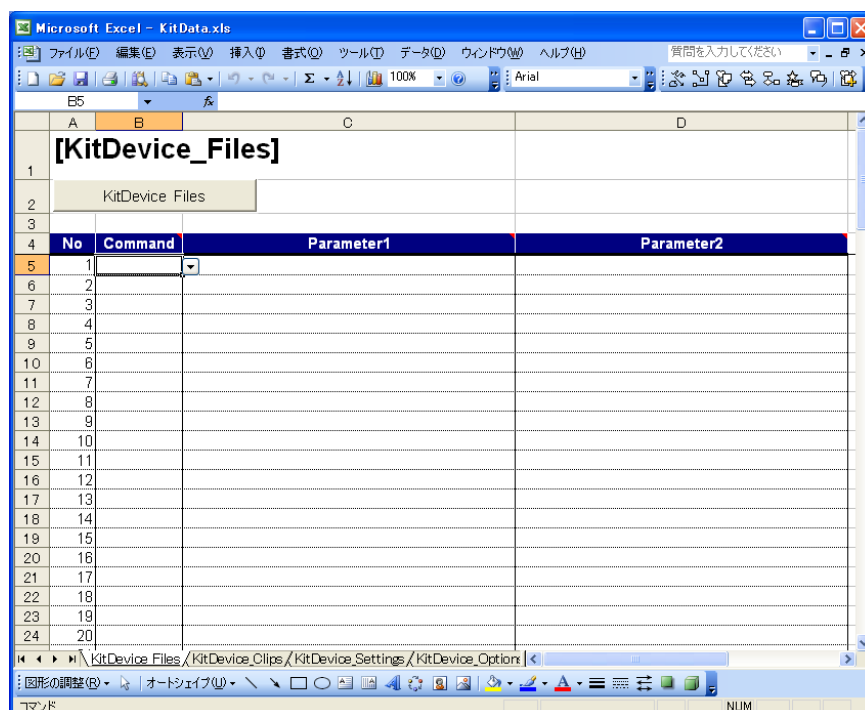


Figure 6.2

Configuration Items

See “Configuration Items in 4.2.2 Files activity” for its details.

How to generate definition file

Push **KitDevice_Files** button on this sheet, then definition file **KitDevice_Files.csv** will be generated.

6.2.3 KitDevice_Clips sheet

This sheet enables to input configuration value and generate definition file **KitDevice_Clips.csv** for **Clipboard** function of **KitDevice** utility.

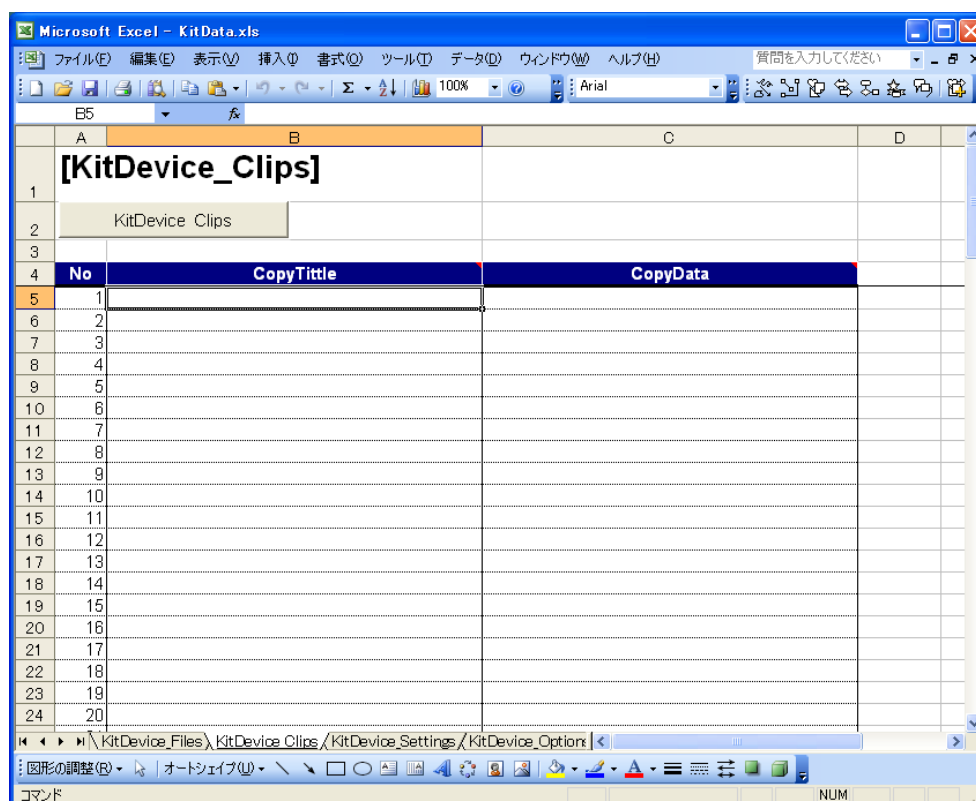


Figure 6.3

Configuration Items

See “Configuration Items in 4.2.4 Clipboard activity” for its details.

How to generate definition file

Push **KitDevice_Clips** button on this sheet, then definition file **KitDevice_Clips.csv** will be generated.

6.2.4 KitDevice_Settings sheet

This sheet enables to input configuration value and generate following definition file for **Settings** function of **KitDevice** utility.

- 1) **KitDevice_Settings_Wifi.csv** : Definition file for **Settings** function concerning **Wi-Fi**
- 2) **KitDevice_Settings_Ethernet.csv** : Definition file for **Settings** function concerning **Ethernet**
- 3) **KitDevice_Settings_More.csv** : Definition file for **Settings** function concerning **More**
- 4) **KitDevice_Settings_Clips.csv** : Definition file for **Settings** function concerning **Clipboard**

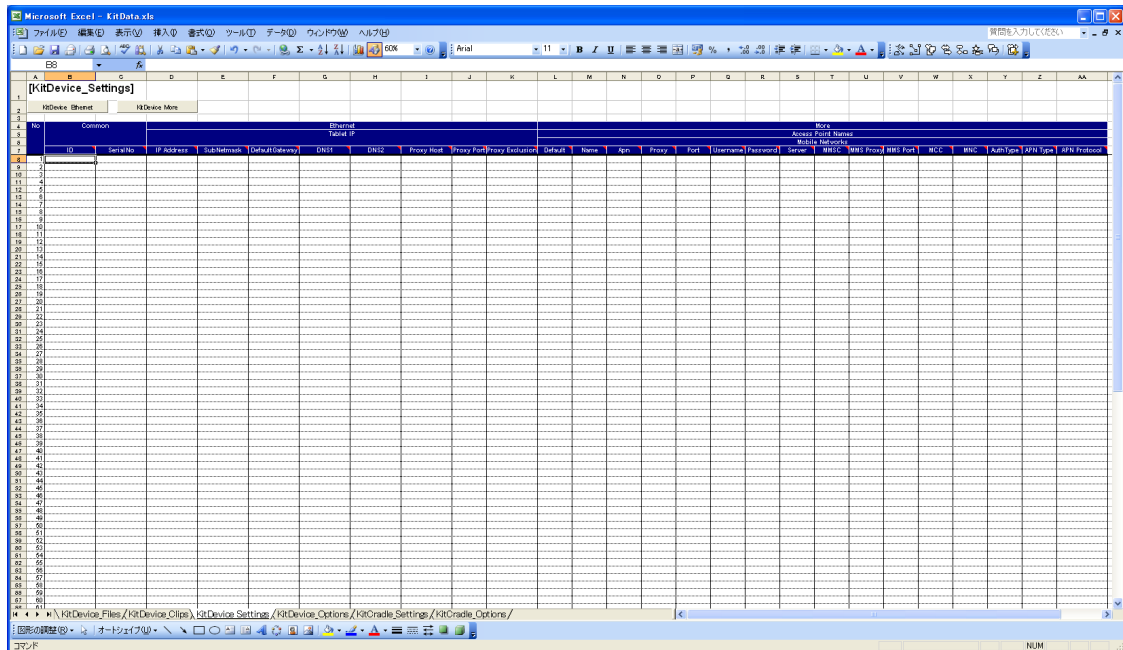


Figure 6.4

Configuration Items

See “Configuration Items in 4.2.5 Settings activity” for its details.

How to generate definition file

Push **KitDevice_Wi-Fi** button on this sheet, then definition file **KitDevice_Settings_Wifi.csv** will be generated.

Push **KitDevice_Ethernet** button on this sheet, then definition file **KitDevice_Settings_Ethernet.csv** will be generated.

Push **KitDevice_More** button on this sheet, then definition file **KitDevice_Settings_More.csv** will be generated.

Push **KitDevice_Clips** button on this sheet, then definition file **KitDevice_Settings_Clips.csv** will be generated.

6.2.5 KitDevice_Options sheet

This sheet enables to input configuration value and generate definition file **KitCradle_Options.csv** for option of **KitDevice** utility.

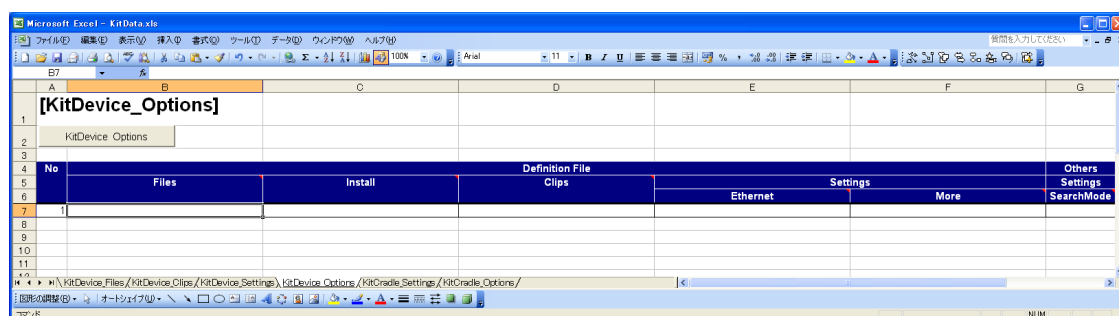


Figure 6.5

Configuration Items

See “Configuration Items in 4.2.6 Option activity” for its details.

How to generate definition file

Push **KitDevice_Options** button on this sheet, then definition file will be generated.