ZEBEX
www.zebex.com

User's Manual

Android Fixed Computer

Revision History

Changes to the original manual are listed below:

Version	Date	Description of Version
1.0	2016/06/07	Initial release

Important Notice

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Regulatory Information

- Caution: Only use ZEBEX approved accessories.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/ TV technician for help.

CAUTION

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Guidance for Printing

This manual is in A5 size. Please double check your printer setting before printing it out. When the barcodes are to be printed out for programming, the use of a high-resolution laser printer is strongly suggested for the best scan result.

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Table of Contents

Important Notice....ii
Regulatory Information....ii
Guidance for Printing....iii
Getting Started....1
Product Overview....1
Front View....1
Ports....2
Back View....2
Using the Device....3
Unpacking....3
Cleaning and Maintenance....3
Configuration Notes....3
Mounting the device....4
Power On the Device....5
Scanning Barcodes....5
Using the Touch Screen....6
Home Screen....6
Add Apps to Home Screen....7
Add Widget to Home Screen....7
Change Home Screen Wallpaper....8
Change Device Settings....8
General Settings....9
Factory Data Reset....9
Data Capture Options....10
Turn on Barcode Scan....10
General....11
Notifications....11
Backup and Restore....12
Code Readable Settings....13
Code Options....13
Output Mode....14
System Settings....15
Wi-Fi....15
Bluetooth....16
Ethernet....17
Data Usage....19
More....19
Sound....19
Display....20

Storage 20
Security 20
Language & Input 21
Backup & Reset 22
Add Account 22
Date & Time 22
Accessibility 22
About Tablet 22
Specification 23

Getting Started

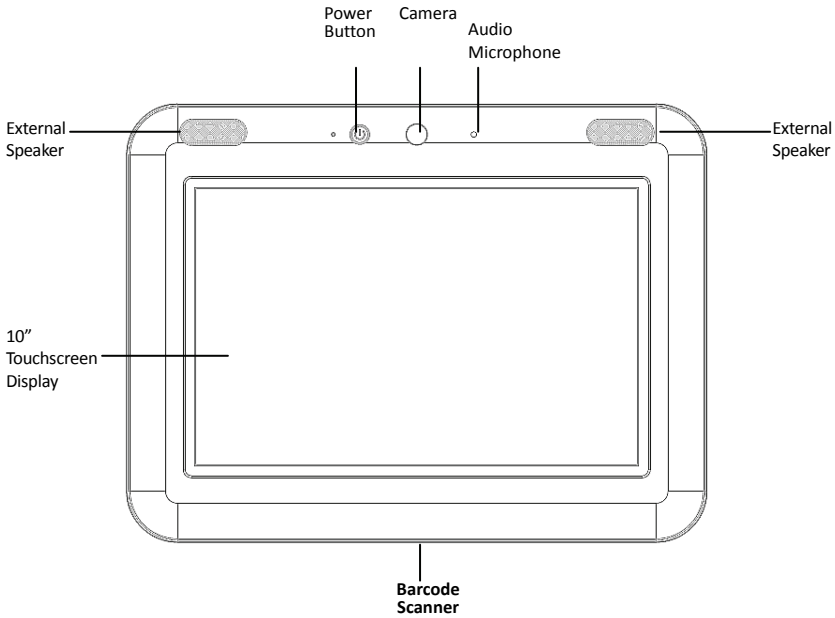
Product Overview

This product is a pre-assembled system consisting of the following:

- 10 in. touch screen display
- Concierge HUB
- Barcode scanner

The final system hardware configuration may change based on customer preference, including additional accessories (sold separately).
The final system mounting/installation is decided by the customer (e.g., mounting the system on a wall, on a stand, or within a customer designed enclosure).
Ensure the mounting configuration allows end-users to easily interact with the concierge touch screen, and allows adequate space for end-users to scan products using the barcode scanner.

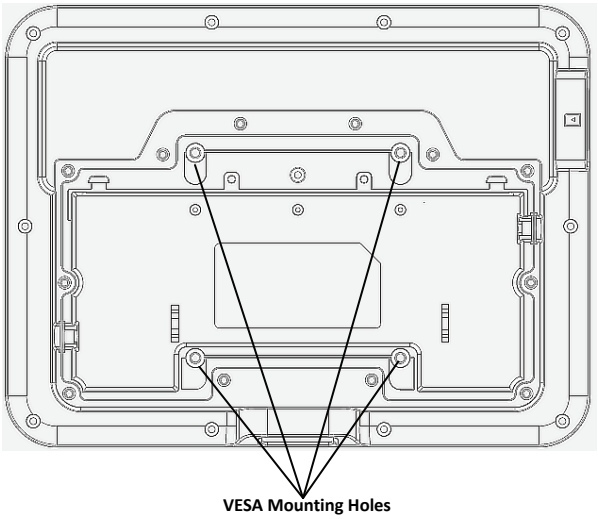
Front View



Ports

RS232 | USB OTG | HDMI | Volume - + | Ethernet | Audio IN Out | USB 0.5A 1.5A | DC IN

Back View



Using the Device

Unpacking

Carefully remove the device from the packaging to avoid damaging the touch screen display. Once removed from its packaging, inspect it for damage.
Please keep the packaging as it is the approved shipping container, and should be used if the device needs to be returned for servicing.

Cleaning and Maintenance

- Always turn off the product before cleaning.
- The touch screen surface may be cleaned using a soft clean cloth moistened with mild window glass commercial cleaners.
- Use a soft cloth moistened with mild detergent to clean the display housing.
- Do not touch the display screen surface with sharp or hard objects.
- Do not use abrasive cleaners, waxes or solvents for cleaning.
- Do not operate the product under the following conditions:
- Extremely hot, cold, or humid environments.
- Near any appliance generating a strong magnetic field.
- In direct sunlight.

Configuration Notes

The instructions, and screen captures in this guide describe default software applications included with the Concierge. Customers and/or partners may develop, and install additional custom software applications which run on the Concierge. In addition, customers and/or partners may choose to add their own hardware accessories prior to installation. Therefore, actual software and hardware configurations may vary at individual sites.

Mounting the device

NOTE The instructions in this guide provide basic installation guidance for the system.

WARNING! Always utilize professional installers to safely install, mount, and supply power to the Concierge device. Always ensure device mounting, and power routing meets regional building codes.

IMPORTANT The wall outlet must be located near the device, and be easily accessible.

Mounting brackets are not sold with the system. Obtain the appropriate mounting brackets to mount the device using a mounting bracket which complies with the VESA mounting standard (100 mm x 100 mm).

The total weight of the system (without additional accessories, or modifications is 3 lbs/1.4 kg).

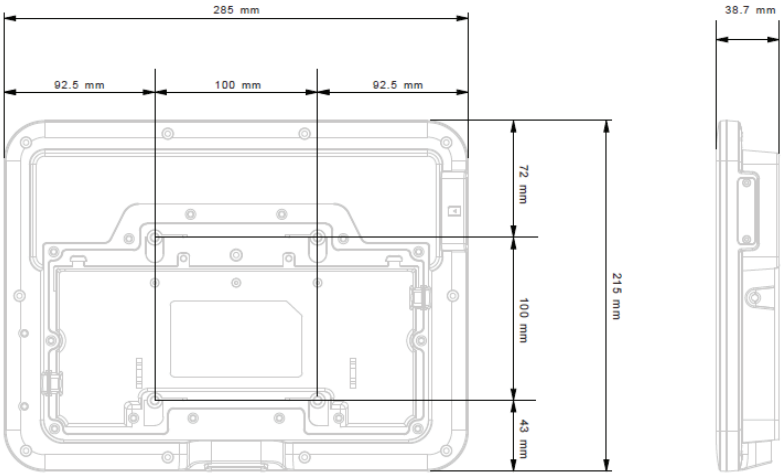
For safety purposes, mounting brackets should be certified to support the total weight of the final system (including additional accessories, or modifications by the customer).

To mount the device using the appropriate mounting bracket:

1. The device mounting inserts are M4 x 10 mm. When selecting the appropriate screw length, ensure its length safely engages the threads, but does not penetrate the device bezel enclosure more than 0.39 in./10 mm.

2. Align the mounting holes on the selected mounting bracket with the mounting holes on the device bezel enclosure.

3. Insert, and tighten the screws through each of the four aligned mounting holes.



Power On the Device

1. Obtain a power cord (60320 C13 IEC) that is appropriate for your region and amperage. Alternatively, this device support Power Over Ethernet.

2. Plug-in the male end of the power cord to the wall socket.

Scanning Barcodes

To scan barcodes:

1. Hold a bar-coded item approximately 6 to 12 inches from the scanner's exit window.

2. When the scanner's proximity sensor senses the item a red LED, and laser aiming pattern projects which enables the user to position the bar code within its field of view.

3. Center the printed bar code symbol within the aiming pattern, ensuring the entire symbol is within the illuminated rectangular area formed by the pattern.

4. Upon a successful scan, bar code data transmits to the Concierge application.

Using the Touch Screen

The device uses a Multi-Touch screen. Swipe your finger across the screen or tap an icon to provide input to the device.

- Tap items on the screen to select them; press the back key to go back to the previous step.
- Do not use glove or stylus because the screen only responds to conductive materials like your finger.
- Touch the Menu and Home at the bottom of the screen for quick access to functions.
- Tap once to open an application or to select an item in a list.
- Tap twice or pinch the screen to enlarge or reduce the display of a web page.
- Tap and drag to move items on the screen.
- Long tap for more than 2 seconds to pop up the functional menu of the selected item.

Home Screen

The Home Screen contains a status bar, shortcut icons, and a dock bar. The home screen allows up to five pages for placing shortcut icons and widgets. You may customize the home screen according to your preferences.

Tap to enable/disable Wi-Fi

Apps menu, tap to access all the apps

Tap to enable/disable Bluetooth

Tap to return to previous screen

Tap to enable/disable GPS

Tap to go back to home screen

Tap to enable/disable data syncing

Tap to recently used apps

Tap to toggle brightness adjustments

Add Apps to Home Screen

1. On the home screen you would like to customize, tap .
2. Locate the app to add.
3. Tap and hold the app icon. The home screen will appear.
4. Drag the app icon to your preferred position and release to have it placed.

Note: To remove an app from Home Screen, drag the icon from home screen to "X Remove" on top.

Add Widget to Home Screen

1. On the home screen you would like to customize, tap .
2. Tap "WIDGES" on top the menu that appears.
3. Tap and hold the widget to add. The home screen will appear.
4. Drag the widget to your preferred position and release to have it placed.

Note: To remove a widget from Home Screen, drag the icon from home screen to "X Remove" on top.

Change Home Screen Wallpaper

1. Tap and hold any empty spot on the home screen.
2. Select the source of the wallpaper.
3. Select an image to apply as the wallpaper.
4. Tap" Set wallpaper" at the bottom of the preview screen to apply it.

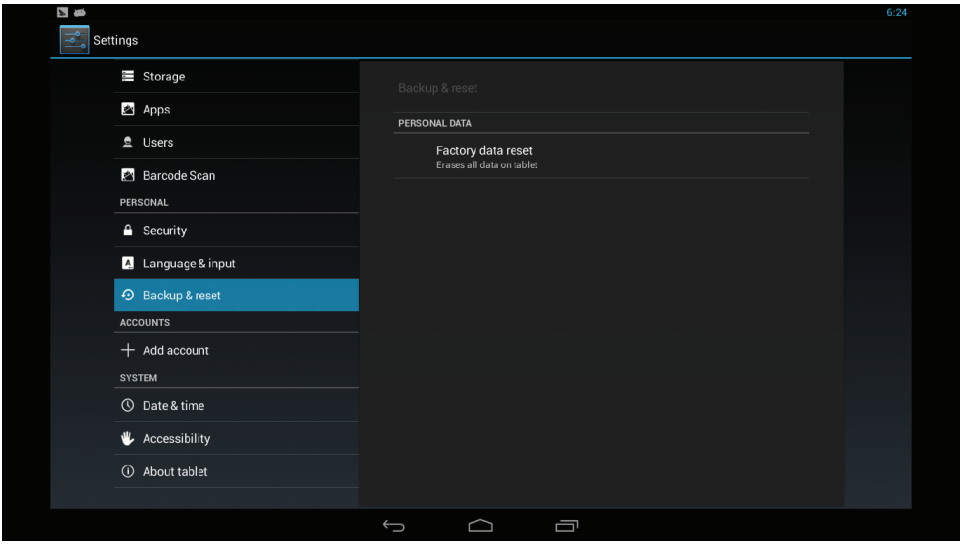
Change Device Settings

1. On the home screen tap .
2. Tap to open settings app.
3. Select desired options for your settings. Please see the next chapter General Settings for more details.

General Settings

Factory Data Reset

1. Select "Settings"→Backup & reset"→"Factory Data reset" on the device.
2. Tap "Reset phone" to delete all data and restore back to your device's factory settings.

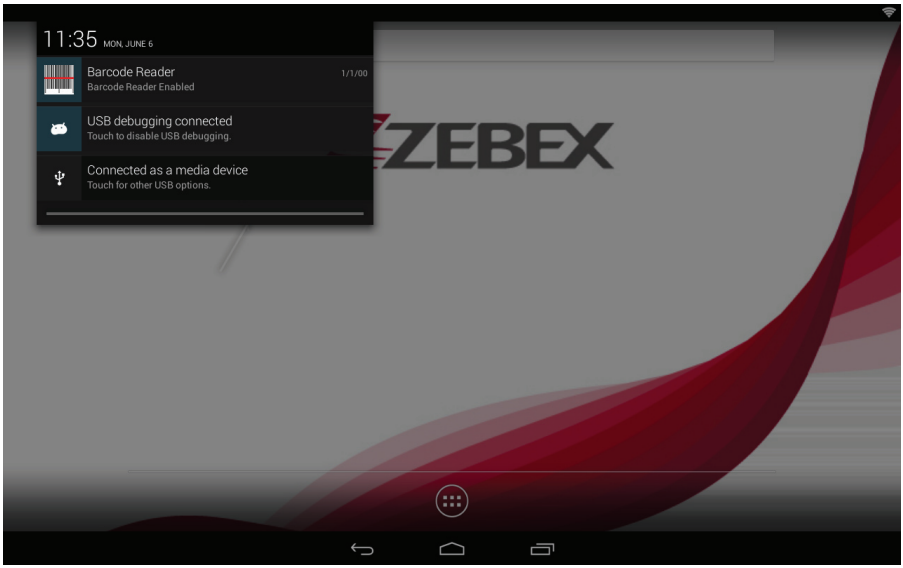


Note: Please plug in the device before doing a reset.
Warning: Resetting your device will delete all data and content, including your Google account, downloaded files, and all your settings.

Data Capture Options

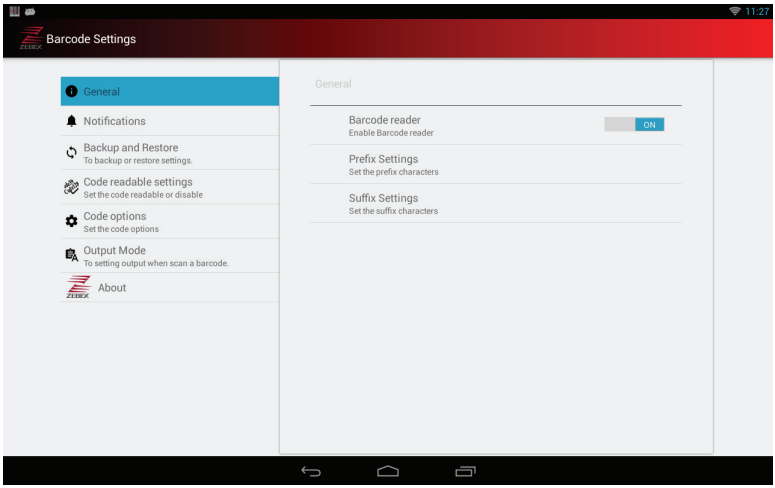
Turn on Barcode Scan

1. Open ZEBEX Barcode Reader app the first time you use the device. Afterwards, the app automatically launches at startup.
2. To enter the barcode reader settings, swipe down from the Home screen and tap Barcode Reader.



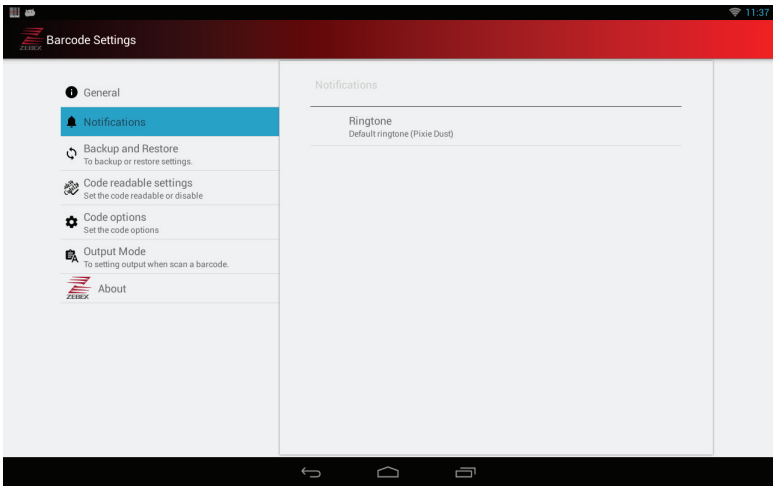
General

1. Tap "Barcode Reader" to turn the scanner on or off.
2. Tap "Prefix Settings" and "Suffix Settings" to set prefix/suffix characters.

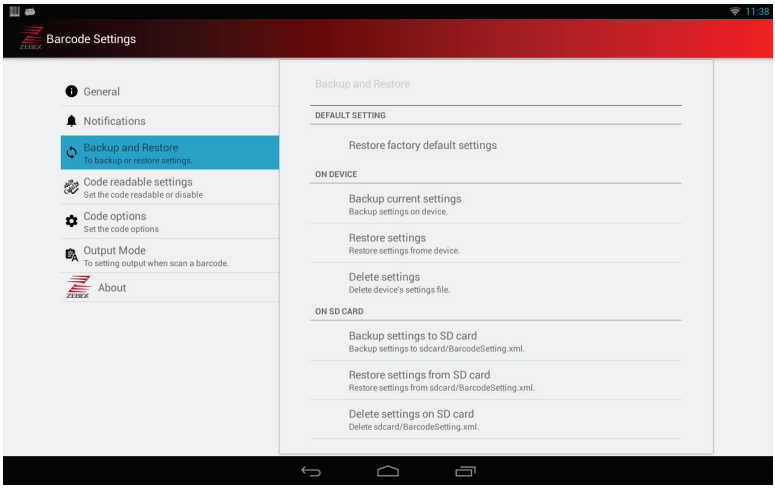


Notifications

Tap "Ringtone" to set the beep sound.



Backup and Restore



Default Setting

Tap "Restore factory default settings" to return the scanner back to factory default settings.

On Device

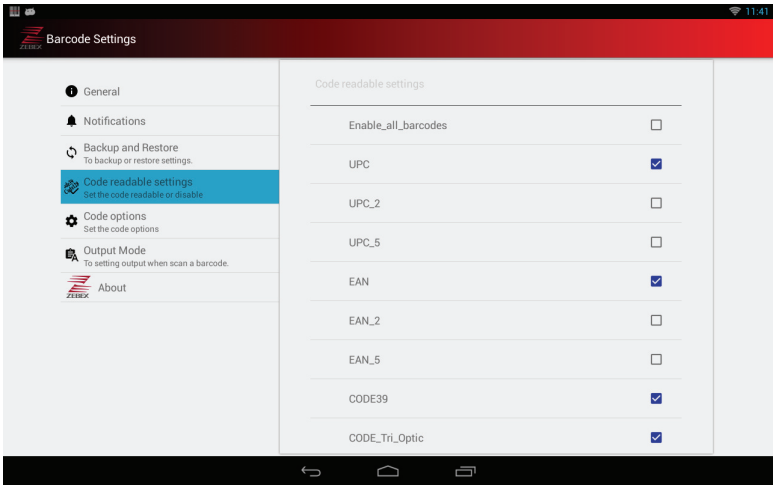
1. Tap "Backup current settings" to backup scanner settings on your device.
2. Tap "Restore settings" to restore scanner settings from the device.
3. Tap "Delete settings" to delete the scanner's settings file on the device.

On SD Card

1. Tap "Backup settings to SD card" to backup scanner settings on your SD card.
2. Tap "Restore settings from SD card" to restore scanner settings from the SD card.
3. Tap "Delete settings on SD card" to delete the scanner's settings file on the SD card.

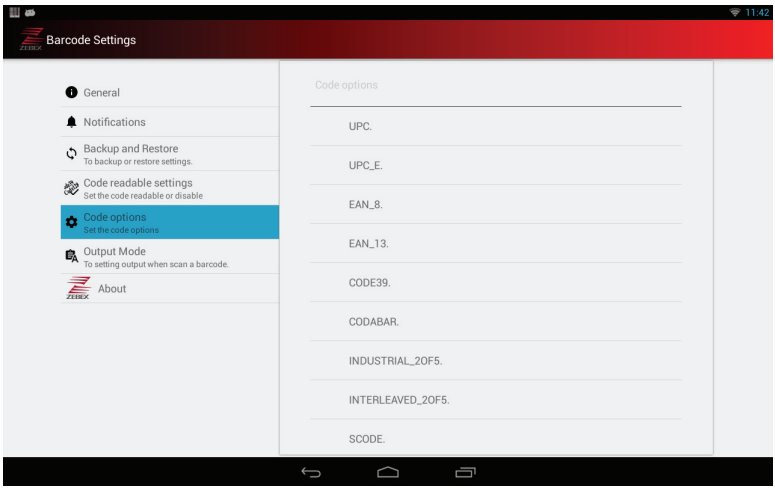
Code Readable Settings

Tick "Enable_all_barcodes" to make all barcodes readable or tick individual barcode type to enable desired readable barcodes.



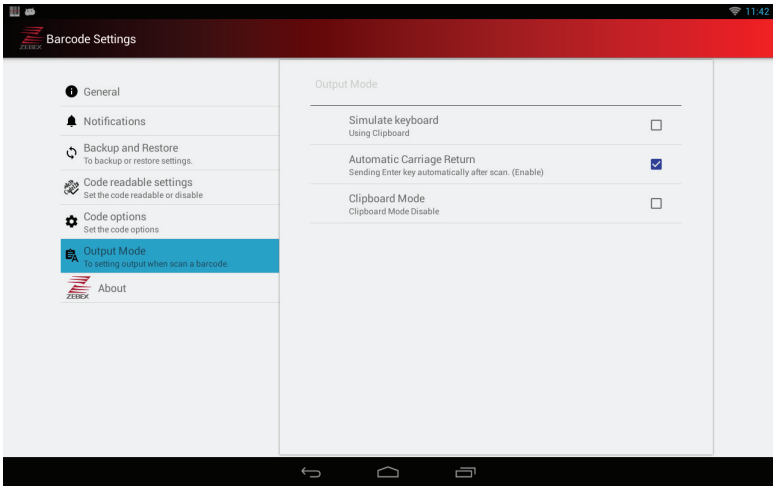
Code Options

Tap a barcode type to set its options.



Output Mode

1. Tick “Simulated keyboard” to enable the function.
2. Tick “Automatic Carriage Return” to enable carriage return after scan.
3. Tick “Clipboard Mode” to enable clipboard mode.



System Settings

Select "Settings" in the APPS menu.

Note: Except for special notes, the setting of this device means:

- If the icon on the right side is displayed as OFF it indicates this option is disabled.
- If the icon on the right side is displayed as ON, it indicates this option is enabled.

Wi-Fi

Enable/Disable Wi-Fi

To enable/disable Wi-Fi, tap to turn the Wi-Fi on or off on the right side.

Wi-Fi settings

This device supports WLAN of IEEE 802.11 a/b/g/n Standards.

You can access the Internet or other network devices as long as there is available access point. Tap "Wi-Fi" to view the list of available Wi-Fi networks.

Wi-Fi network list

After entering the Wi-Fi setting screen, the device will search the available Wi-Fi signals automatically, and list it by the signal strength.

To refresh the Wi-Fi list, press Menu and select Scan option in the current screen.

Instructions to connect with Wi-Fi network

Click the Wi-Fi network in the list, and input the network password (if it is required) in the popup window. After the connection is successful, it will show the message like "Has connected to …" under the Wi-Fi setting icon.

Note: This device will automatically save the Wi-Fi routers that have been connected with. Every time it is powered on, it will search the connected Wi-Fi signals for connection automatically.

Advanced Settings

To enter the Advance Settings screen, select on the top right corner and select "Advanced".

Click options in the Advanced screen to change settings.

- Network notification
  Show notification when an open Wi-Fi signal is available.
- Keep Wi-Fi frequency band
  Specify the frequency range of operation.
- Wi-Fi optimization
  Minimize battery usage when Wi-Fi is on.
- MAC address
  Shows MAC address.
- Wi-Fi IP address
  Show IP address.

Bluetooth

Enable/Disable Bluetooth

To enable/disable Bluetooth, tap to turn the Bluetooth on or off on the right side.

- By default, Bluetooth visibility of the device is turned off. Tap the device at the top of the screen to turn on Bluetooth visibility. The status will change to Visible to all nearby Bluetooth.

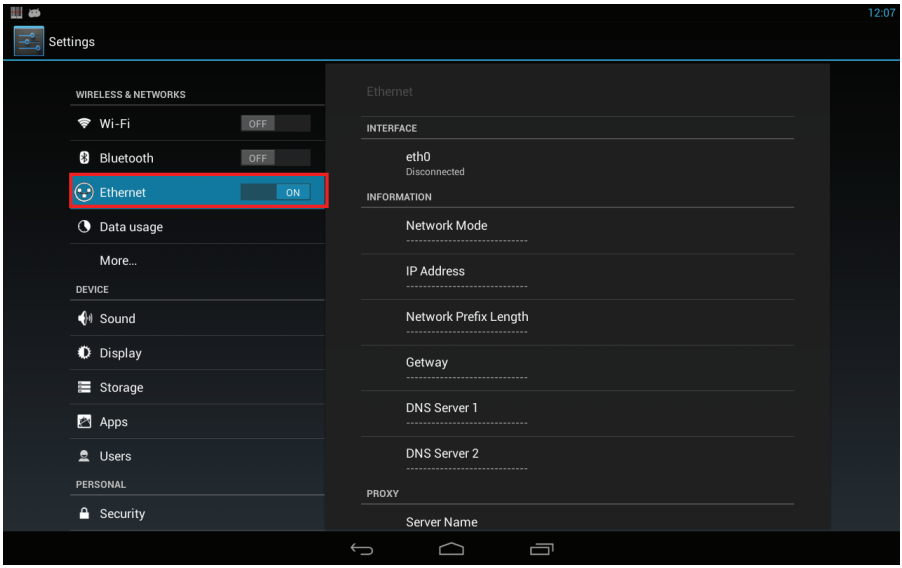
Instructions to connect to Bluetooth device

1. Tap "SEARCH FOR DEVICES" at the bottom of the screen. The screen shows a list of Bluetooth devices nearby.
2. Scroll through the list and tap the device you would like to pair.
3. Depending on the pairing settings, you may need to enter a passkey, or confirm the assigned passkey on the device to pair if a smart pairing method is applied.
4. The device will be saved for automatic connection after the first pairing is completed.

Ethernet

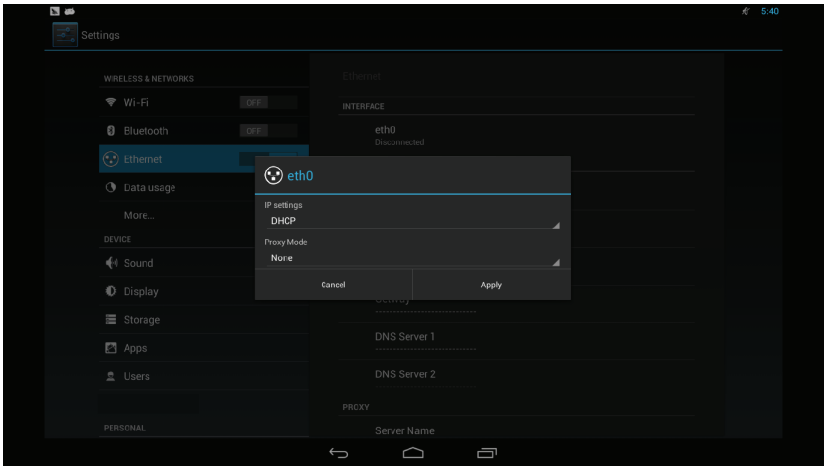
Enable/Disable Ethernet

To enable/disable Ethernet, tap the checkbox on the right side to turn it on or off.

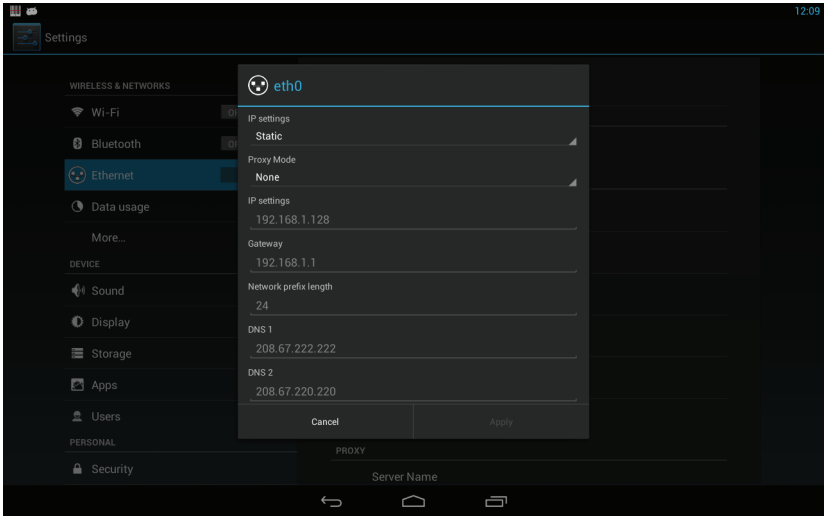


Ethernet Configuration

Use Interface option to configure proxy and IP settings for your Ethernet.



Select options from drop down menus and type in settings to change the configurations.



Data Usage

Mobile Data
Tap to enable or disable mobile connection.

Set Mobile Data Limit
Tap to set data limit by dates.

More

Airplane Mode
Tap to enter offline mode.

VPN
Tap to set VPN.

Tethering & portable hotspot
- USB tethering
  Tap to enable USB tethering.
- Portable Wi-Fi hotspot
  Tap to enable portable Wi-Fi hotspot.
- Set up Wi-Fi hotspot
  Tap to set SSID, security type, and password.

Sound

Volumes
Adjust the volume by moving the slider left or right.
- Music, video, games, & other media
  Adjust the volume of media.
- Notification
  Adjust the volume of incoming calls or messages.
- Alarms
  Adjust the volume of alarm clock.

Default Notification Sound
- Notification sound
  Select the music for incoming notifications.
- Touch sounds
  Play a tone when you touch the screen.
- Screen lock sound
  Play a tone when you lock or unlock the screen.

Display

Brightness
Adjust the screen brightness. If the Auto Adjustment of Brightness is selected, the system will adjust the brightness automatically. If it is not selected, you can manually move the slider to adjust it.

Wallpaper
Select a photo as your wallpaper.

Daydream
This option controls what happens when the phone is docked and/or sleeping. You may choose Clock, Colors, Photo Frame, or Photo Table.

Font Size
Set font size to Small, Normal, Large, or Huge.

Storage

Total Space
View the total capacity and available space in the storage card, and uninstall or format the storage card.

Unmount SD card
Select this option to remove the SD card safely, which can avoid the device destruction caused by hot plugging.

Unmount USB Storage
Select this option to remove USB storage safely, which can avoid the device destruction caused by hot plugging.

Security

Screen Lock
- None
  No screen lock.
- Slide
  Uses the default slide gesture to unlock a locked screen.
- Pattern
  Enter a pattern to use for unlocking the screen.
- PIN

Uses the PIN code to unlock a locked screen.

- Password
  Enter a password of at least 4 characters for unlocking the screen.

Owner Info
Tick to show owner info on lock screen; type text in below window to display the text.

Encrypt tablet
Enable encryption using a numeric PIN or password.

Make password visible
Tick to make password visible when you type it.

Language & Input

Language
- Set options of region and language.

Spell Checker
- Enable or disable spell checker.

Keyboard & Input Methods
- Android keyboard
- Japanese IME
  - Make sound when pressing keys
  - Auto capitalize
  - Show Suggestions
    Automatically show the suggested words and input it.
  - Auto-complete
    Automatically complete inserting the space and punctuation to emphasize words.
- Google Chinese Input Method: Settings
  - Key sound
  - Associable input

Warning: We suggested using the default Input method in the system. Installing a third-party input method may cause system error.

Personal dictionary
Add words into the user's dictionary and delete words from it.

Text-to-speech Output
Sets the language-specific voice for the spoken text.

Pointer Speed
Slide to set the pointer speed.

Backup & Reset

- Factory data reset
  For the instructions and explanations, see Factory Data Reset section of this manual.

Add Account

Change the settings of auto synchronization function or manage the accounts in need of synchronization.

- Add account
  Add, delete or modify the settings of accounts.

Date & Time

- Enable/Disable Automatic option
- Set date and Set time
- Select date format
  - Set date: Enter the date setting screen to set it.
  - Set time zone: Enter the time zone setting screen to set it
  - Set time: Enter the time setting screen to set it
  - Set 24-hour format: Set the time display format
  - Select date format: Select the date display format

Accessibility

Use Accessibility to adjust font size, magnification gestures, colors, accessibility shortcut, text-to-speech options, and hearing options.

About Tablet

View the model number, Android version, system version number and other information.

Note: The information in About Tablet can help to identify the device model quality, so that we can provide better service to you.

Specification

Z-7212	
SYSTEM	
CPU	TI OMAP 4470 Dual core 1.5GHz
Operating System	Android 4.2.2
Memory	1GB RAM & 16GB ROM(Optional : 64G)
Display	10.1" 1280x800 IPS; Capacitive type 5 points touch
Scanner	1D/2D decoding capability ;
Audio	2 x 1W speaker 1 x microphones
Camera	Front: 5Mpixel 1080p 30fps capable imager
Buttons	1. Power*1 2. Volume (up and down)
I/O	HDMI x1; USB x 2: --USB2.0 High Speed Type A (Host) port (current output up to 1.5A) --USB2.0 High Speed Type A (Host) port(current output up to 0.5A) MicroUSB x1: MicroUSB2.0 High Speed Host+Client (OTG) port Audio in: External 3.5 mm port for external microphone Audio out: External 3.5 mm port for stereo analog audio out RS232 x 1;
Expansion Slot	64G SDXC Card expansion capability (FAT32 format)
Network	
WPAN	Bluetooth V2.1 + EDR
WLAN	Dual Band (2.4 & 5GHz) 802.11a/b/g/n
Ethernet	1 Giga Ethernet RJ45
POWER	
Input interface	1. POE input: IEEE 802.3af/at; Classification:4 ;max. 25.5W. 2. AC adapter(Option):Input:AC100~240V, 50~60 Hz ;Output: 12VDC / 4.16A
PHYSICAL	
Dimension	(L) 285mm x (W) 215.15mm x (H) 38.7mm
Weight	1340g

ENVIRONMENTAL	
Operating Temperature	0~50℃
Storage Temperature	-20~70℃
Humidity	20 ~ 90% RH (non-condensing)
Environmental Sealing	IP54 rated sealing(with back cover sealed)
REGULATORY	
Safety / EMC	CE, FCC , NCC , BSMI,CB
ACCESSORIES	
Option Accessory	Adapter(Input: AC100~240V, 50~60 Hz ; Output: 12VDC / 4.16A; Efficiency Level: VI)
Other	
Installation specification	Support VESA MIS-D 100 (100mm x 100mm)