



# WeVend



## PayPro

### Payment Terminal Manual



# Introduction

This document provides a guideline for operating and configuring the *PayPro* payment terminal. The scope of this document includes setting up the terminal, basic operation, application lifecycle, and some advanced features.

## Regulatory instruction of usage

- Before using the terminal, please check that it has been disassembled, modified, or shows abnormal situation. If yes, please do not use.
- Please stay away from strong electromagnetic waves. Examples include: microwave ovens, magnets, shoplifting prevention devices, high-voltage wires, automatic doors, communication antennas, etc.
- Condensation can occur when moving from a cold place to a warm place. If condensation occurs, do not use the unit until the connected water droplets evaporate.
- Static electricity may occur in some places (such as where you use a carpet).
- Please do not leave it in the sun for a long time.
- Please operate the unit carefully as it is a precision instrument. Do not apply impact, drop or heavy objects on top of the unit.
- Do not attach dust, oil, etc. to a part of the power terminal. Also, please do not scratch.

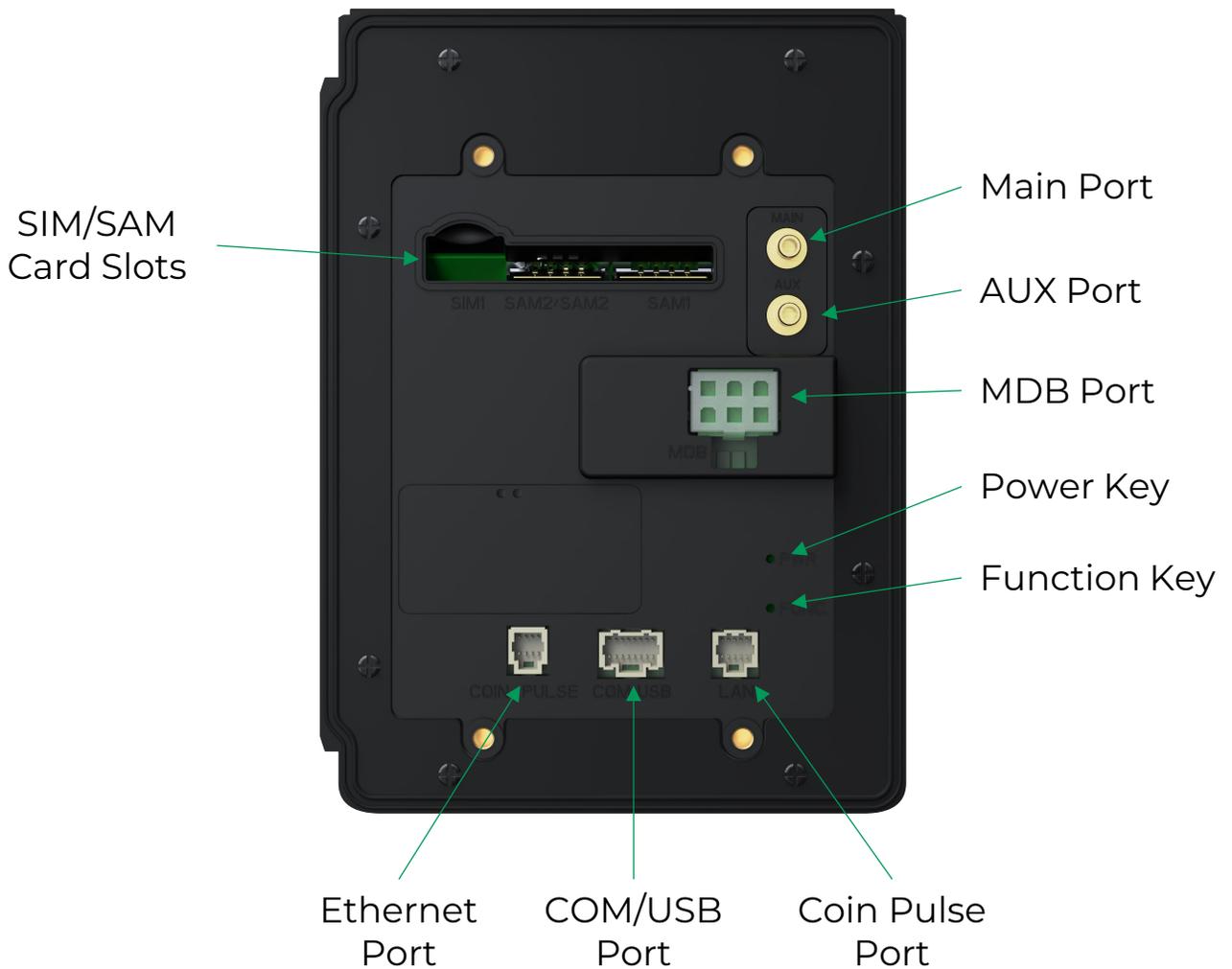
# Hardware Setup

## Parts of the Terminal



# Hardware Setup

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# Hardware Setup

## Parts of the Terminal



# Hardware Setup

## Insert SAM Card

SAM 1, SAM 2, SAM 3



Insert SAM cards into desired slot.

- Gold metal side face up
- SAM 1: cut corner is on the bottom right side
- SAM 2, SAM 3: cut corner is on the bottom left side



# Hardware Setup

## Insert SIM Card



Insert SIM cards into desired slot.

- Gold metal side face up
- SIM 1: cut corner is on the upper left side
- SIM 2: cut corner is on the upper right side

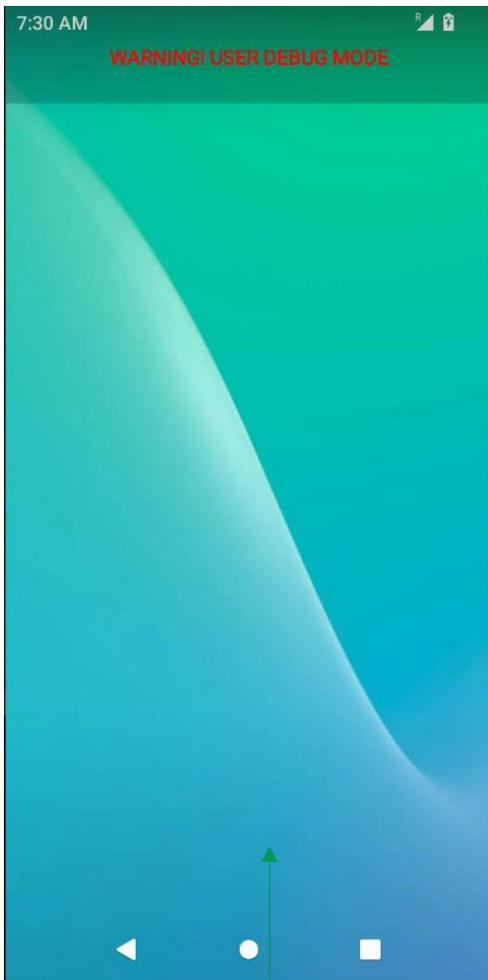


# Basic Operation

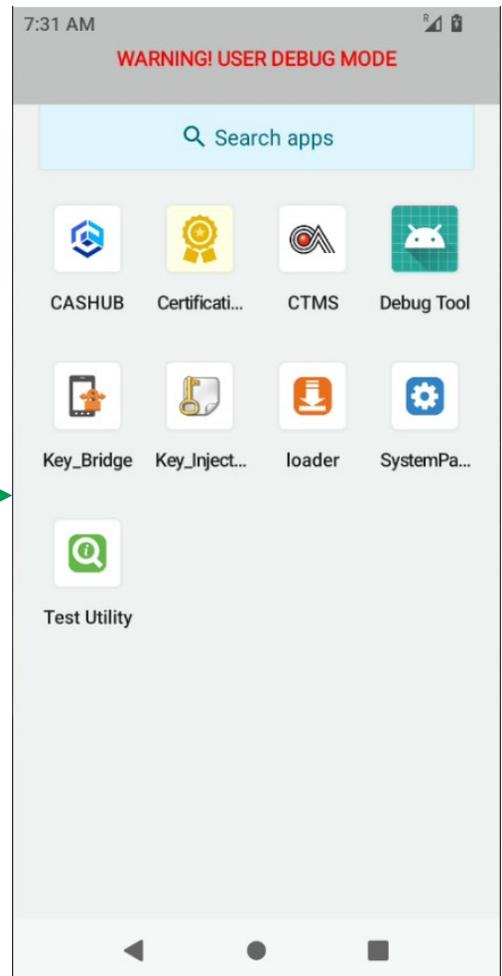
Once the power is on in normal status, the terminal will enter Launcher if no default application selected. All user applications are listed in the launcher. Users can click on an application and run the application.

## Main Screen

On the terminal, it provides some features for developers, and also have the simple symbols let users know the feature (e.g. connection, battery, etc.)



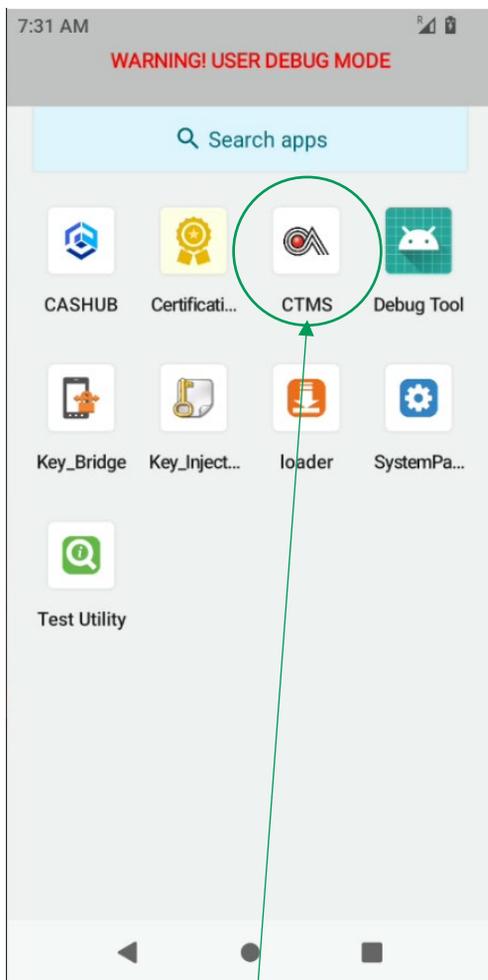
Slide up to open APP menu



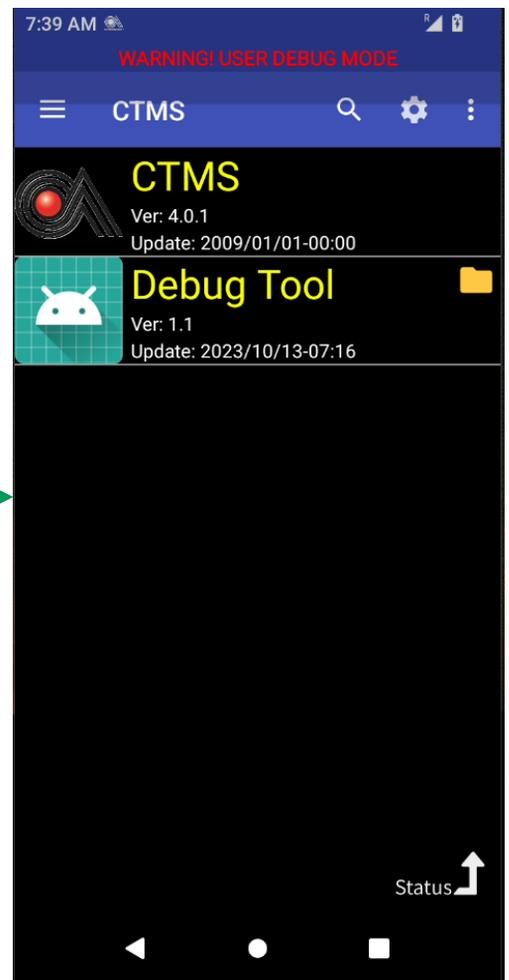
# Basic Operation

## CTMS

Connect to the CTMS (terminal management server)



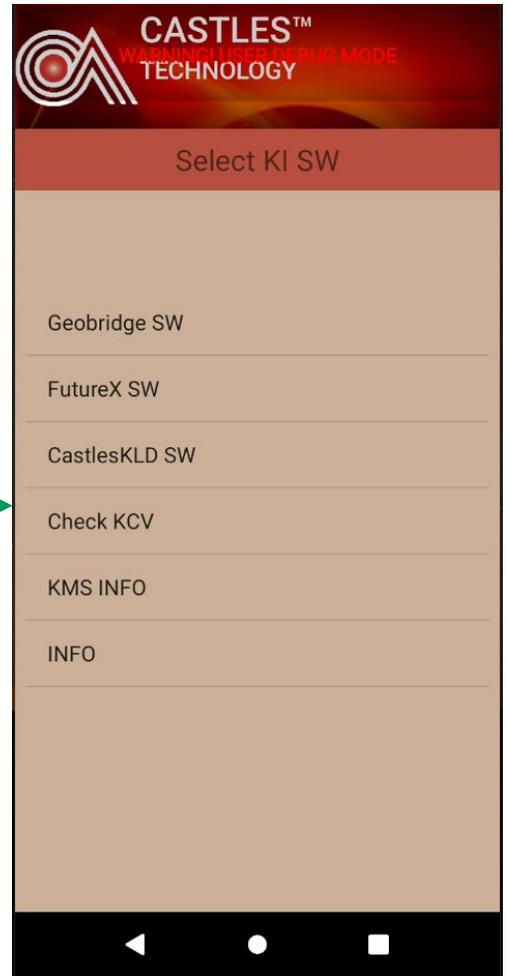
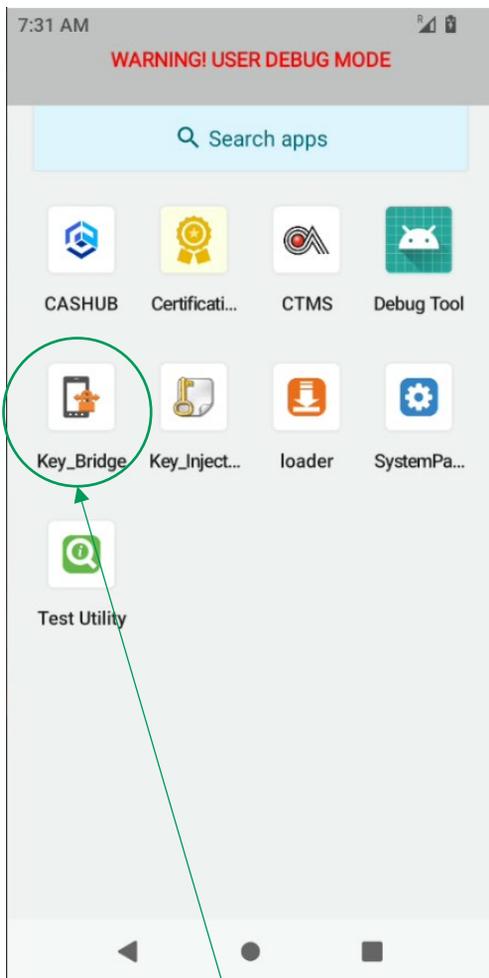
CTMS



# Basic Operation

## Key Bridge

Customize certain features

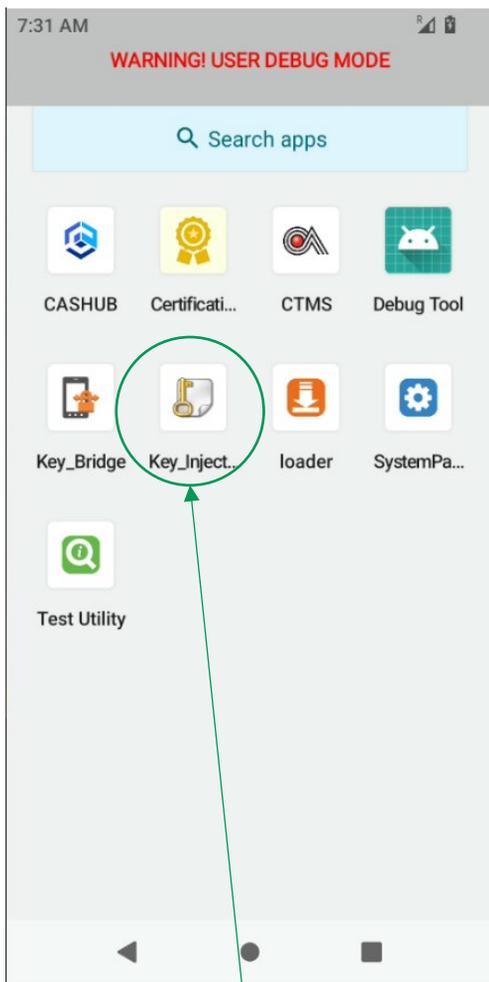


*Key Bridge*

# Basic Operation

## Key Injection

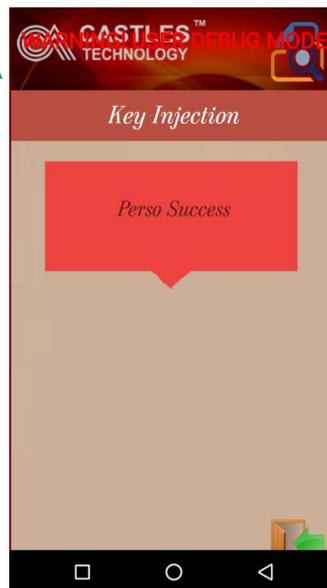
Use to test key injection functionality



Key Injection



If no keys are loaded, the screen will show *Waiting for Command*

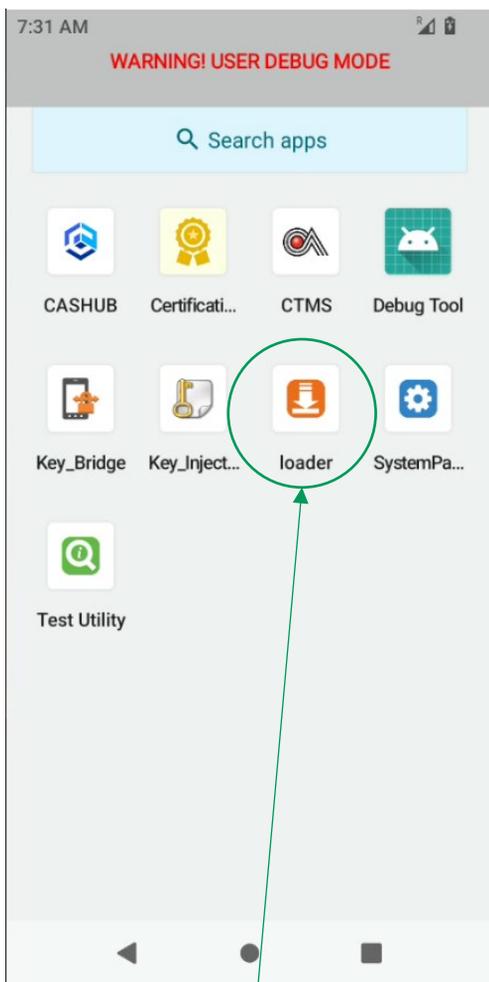


If keys are loaded, the screen will show *Perso Success*

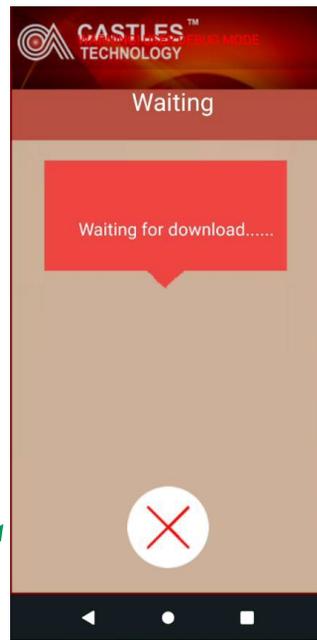
# Basic Operation

## Loader

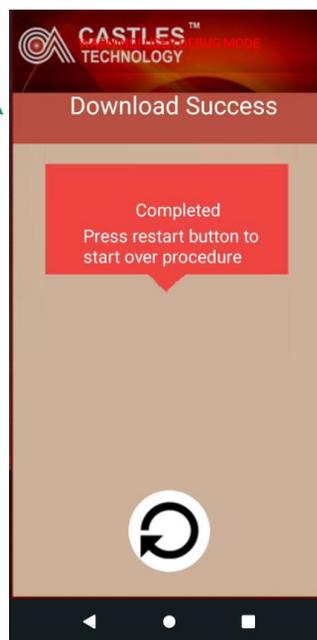
Download user application, or update Android system and kernel modules firmware



Loader



The screen will show *Waiting for download*



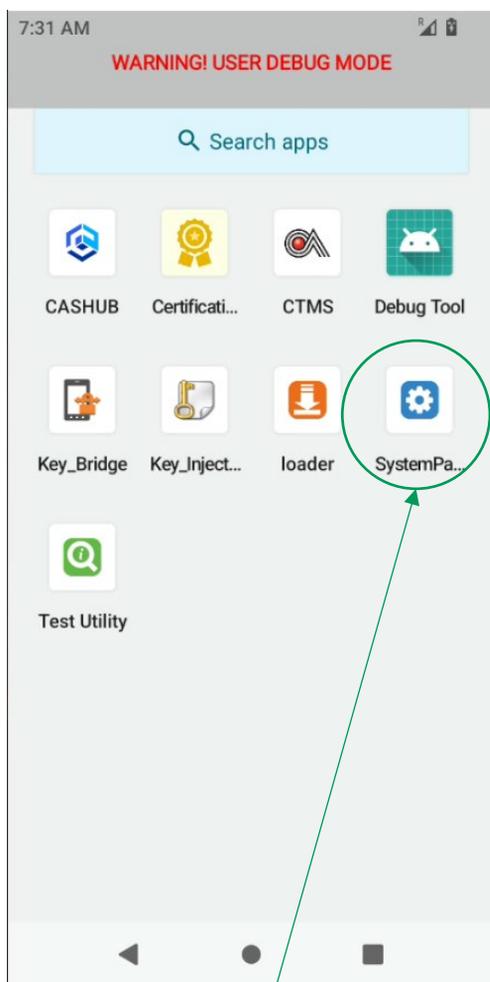
If download is successful, the screen will show *Completed*

**Note:** If this tool cannot run or the download fails, go into the *System Panel* and disable the debug mode.

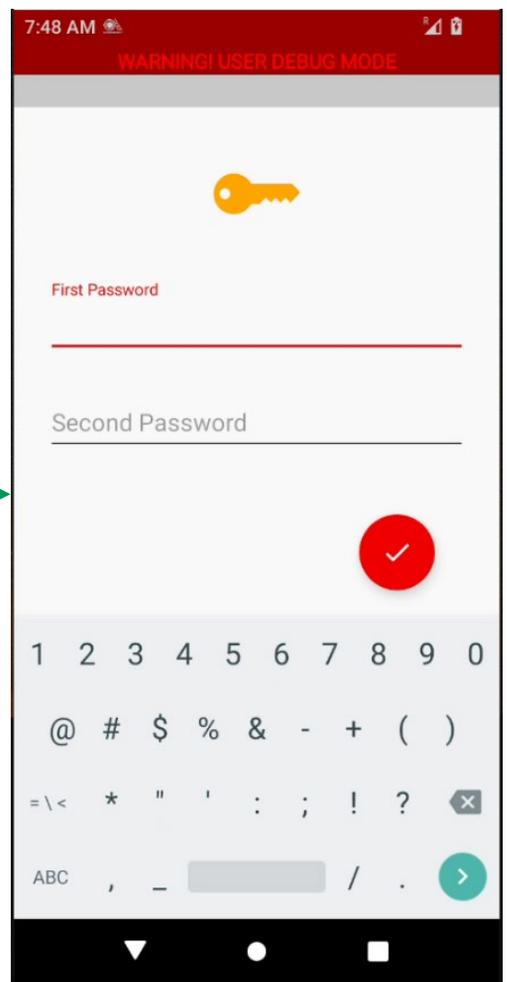
# Basic Operation

## System Panel

Set system settings and check system version



*System Panel*



Default password is  
00000000 for both fields

# Basic Operation

## Screen Status Bar

- Status bar lock - show or hide the status bar at the top
- Navigation bar - show or hide the navigation bar at the bottom
- Home icon - show or hide home icon
- Back icon - show or hide back icon
- Search icon - show or hide search icon

## Battery charging threshold

- Battery will start charging when the battery capacity is lower than sett threshold

## Auto reboot time

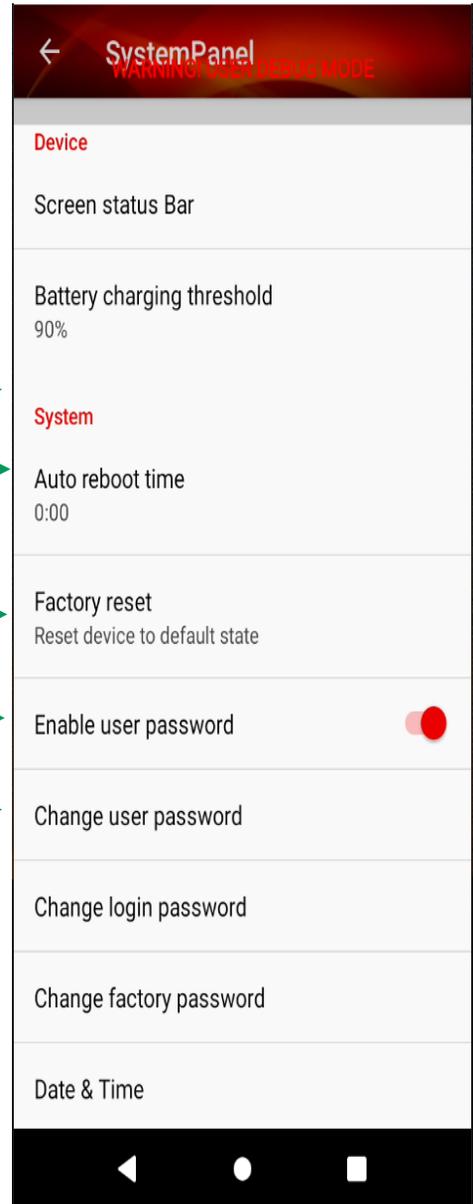
- Select the auto reboot time

## Factory reset

- Reset the terminal to factory default: 00000000

## Enable user password

- Enable or disable user password when exiting default APP



# Basic Operation

## Change user password

- Change user password from 00000000

## Change login password

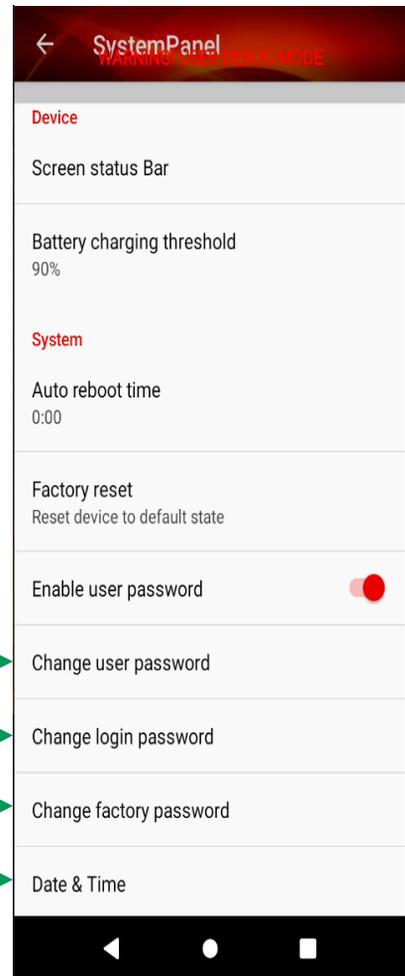
- Change system panel login password from 00000000

## Change factory password

- Change factory reset password to default 00000000

## Date & Time - set date and time

- Automatic date & time - enable or disable NTP auto-sync time
- NTP server - configure NTP server address
- Set date - set terminal date manually if disable automatic date & time
- Set time - set terminal time manually if disable automatic date & time
- Select time zone - select terminal time zone
- Use 24-hour format - select 12- or 24-hour format



# Basic Operation

## Select default application

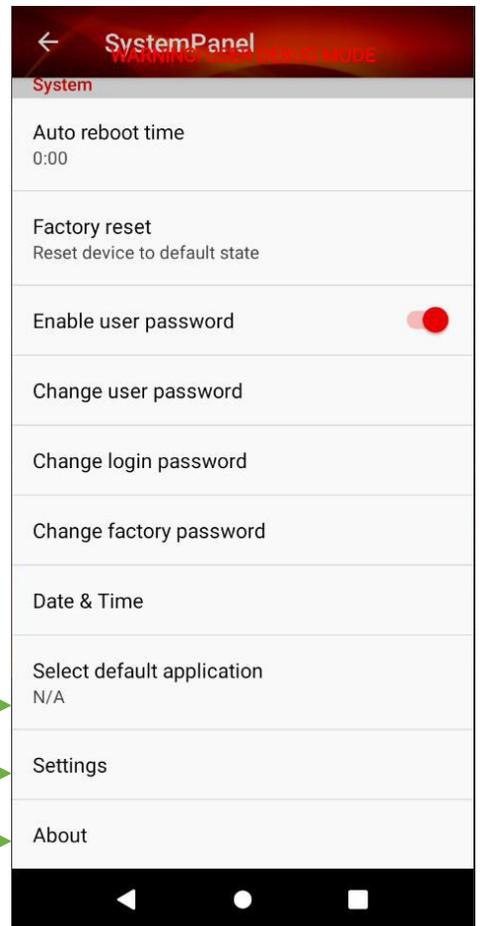
- Select default application which will autorun after system boot up

## Settings

- Various Android system settings (see details on the next page)

## About

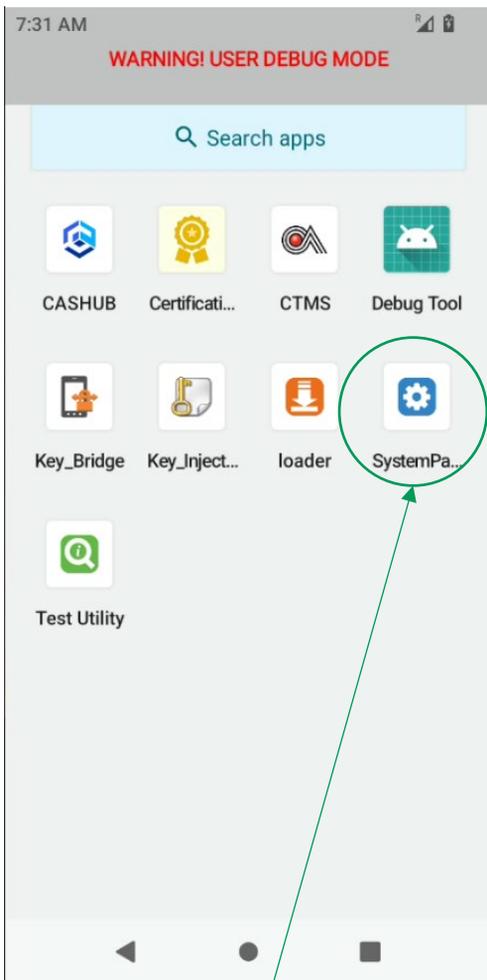
- Display system version



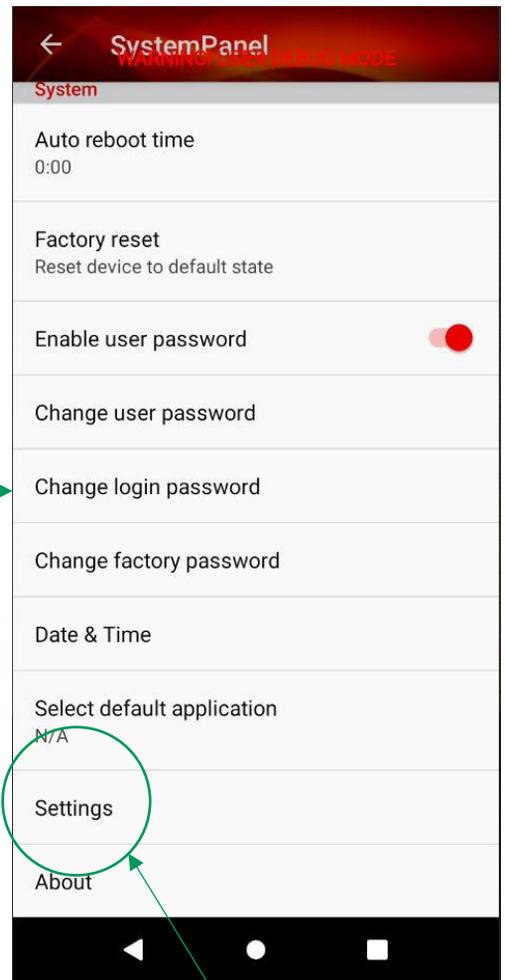
# Basic Operation

## Android System Settings

Set certain Android system settings



*System Panel*



*Settings*

# Basic Operation

## Network & Internet

- View available networks, SIM card configuration, check data usage

## Connected devices

- USB configuration, Bluetooth and NFC configuration.

## Apps

- Set application permissions

## Notifications

- Set application notifications

## Battery

- Check the battery voltage usage/charging status.

## Display

- Set the display screen configuration

## Sound

- Set the sound volume



# Basic Operation

## Display

- Set the display screen configuration

## Wallpaper

- Change the wallpaper

## Accessibility

- Set up accessibility features

## Security

- Set the terminal security configuration

## Privacy

- Configuration for privacy options

## Location

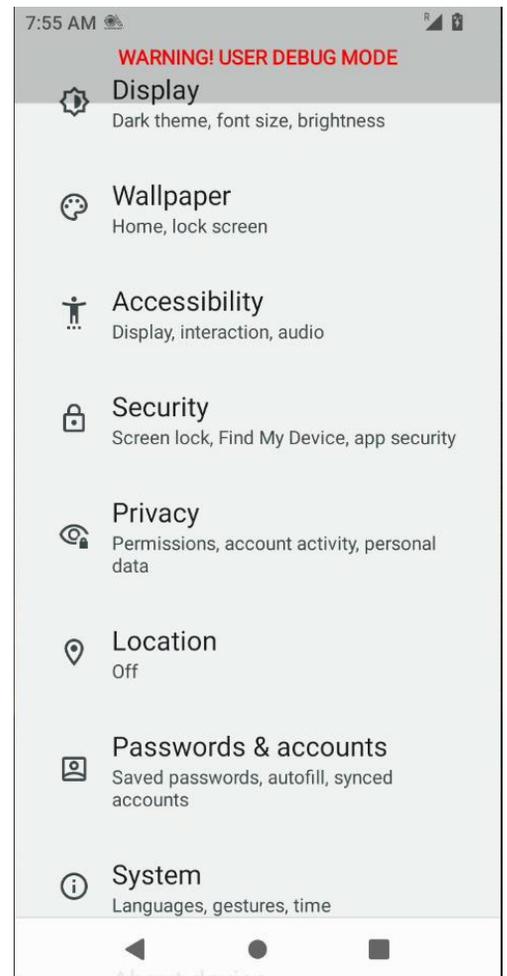
- Set location settings

## Passwords & Accounts

- Manage accounts

## System

- System configuration



# Basic Operation

## Connectivity Notes

The device only supports non “Just Work” parsing devices. The Bluetooth device must support security PIN code to connect.

For Bluetooth Smart (LE) Secure Connections, the device supports three association models, as shown below.

## Just Works

- As implied by the name, this method works with no user interaction. This method is typically used by devices without display and keypad. This method provides no *Man in the Middle* (MITM) protection.
- The headphone / headset is designed for the situation where at least one of the pairing devices has neither a display, nor a keyboard for entering digits

## Passkey Entry

- Method connecting a device with a display and a device with numeric keypad entry (such as a keyboard). The display is used to show a 6-digit numeric code to the user, who then enters the code on the keypad.
- Method connecting two devices with numeric keypad entry. The user of each device enters the same 6-digit number.
- Both of these methods provide MITM protection.

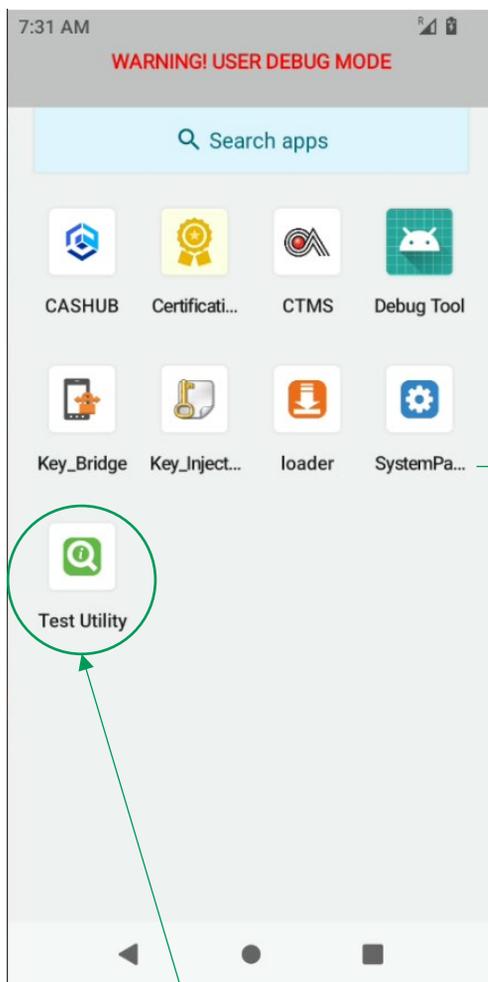
## Out of Band (OOB)

- A flexible option for developers that allows defining custom pairing mechanisms, so the security level depends on *Out of Band* protection capability. This method provides no *Man in the Middle* protection.

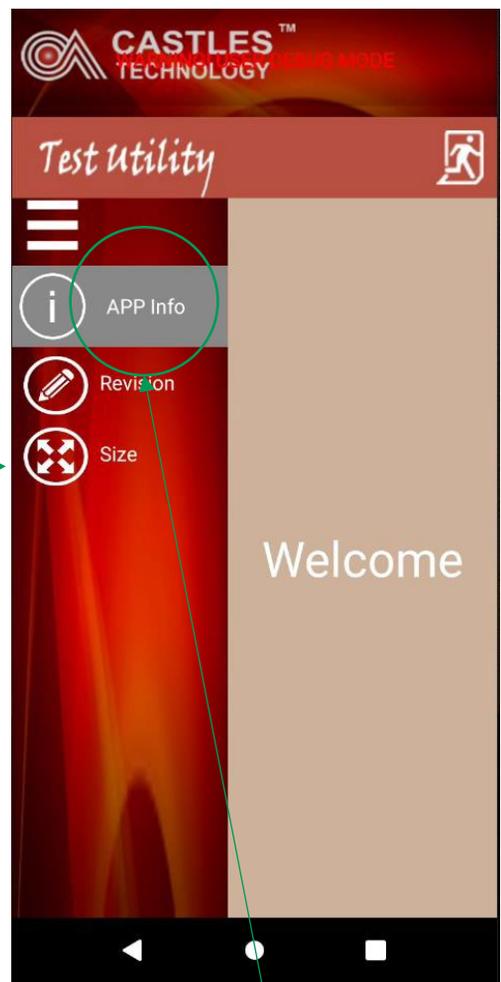
# Basic Operation

## Test Utility

Diagnose terminal hardware components



*Test Utility*



*App Info*

*Revision* - Display Android OS version  
*Size* - Display memory size info

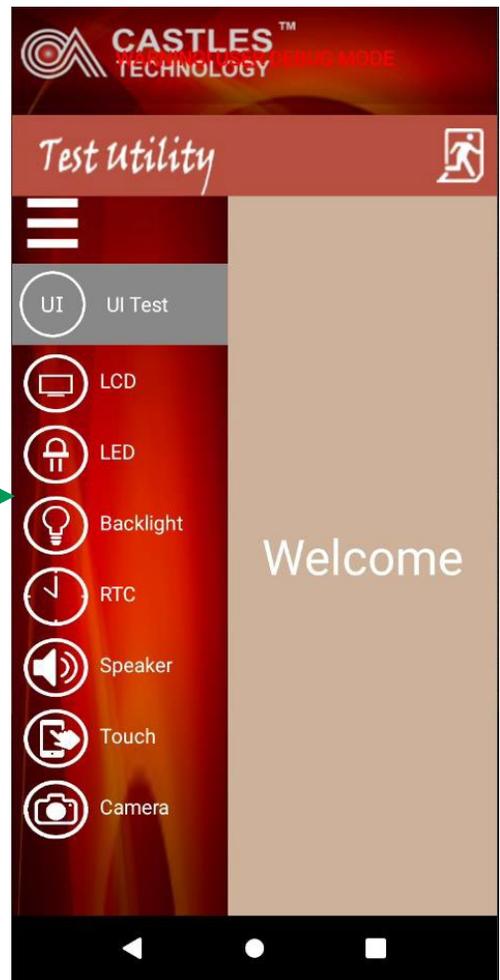
# Basic Operation

## UI Test

Diagnose the User Interface



*UI Test*



*LCD* - Diagnose the LCD display function  
*LED* - Diagnose the rear side LED  
*Backlight* - Brightness of the back light  
*RTC* - Get system RTC info  
*Speaker* - Diagnose the speaker  
*Touch* - Diagnose the touch function  
*Camera* - Diagnose the rear camera

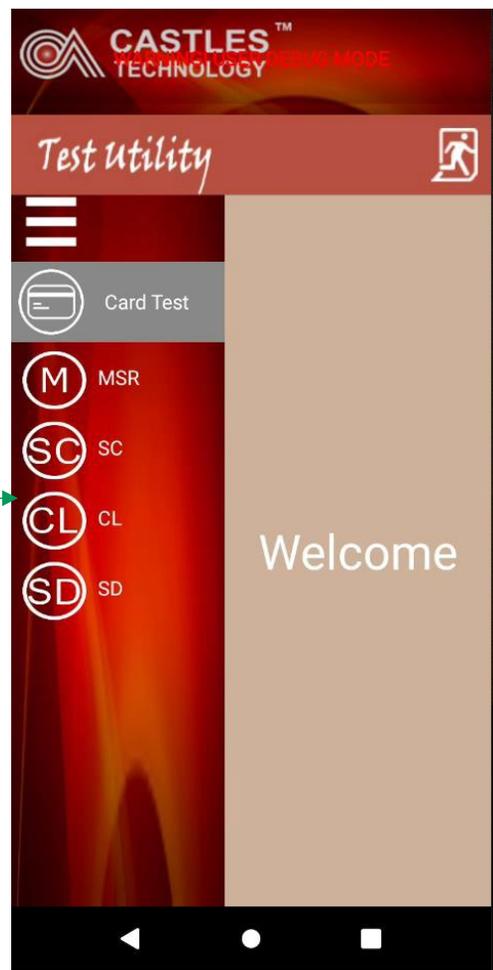
# Basic Operation

## Card Test

Diagnose the Card function



*Card Test*



MSR - Diagnose the MSR function  
SC - Diagnose the Smart Card function  
CL - Diagnose the Contactless card  
SD - Diagnose the SD card function

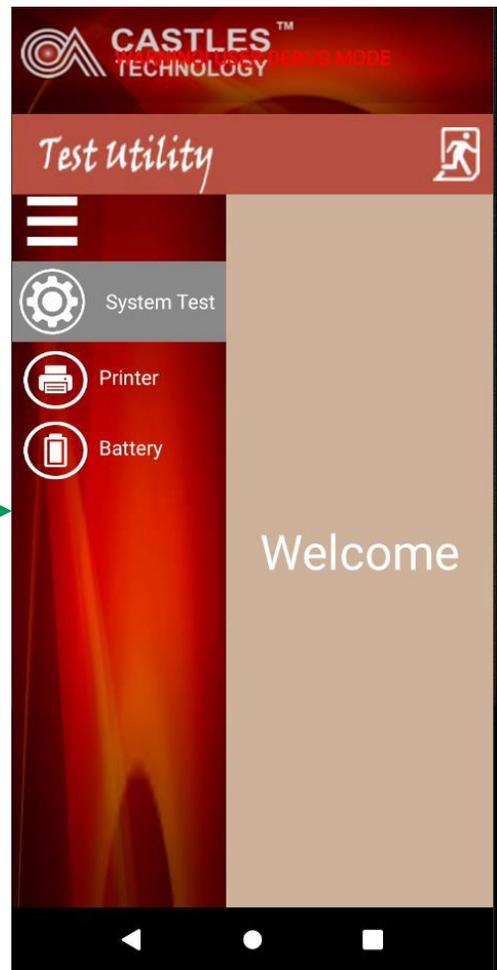
# Basic Operation

## System Test

Diagnose the system



*System Test*



*Printer* - Printer function test  
*Battery* - Get the battery operation info

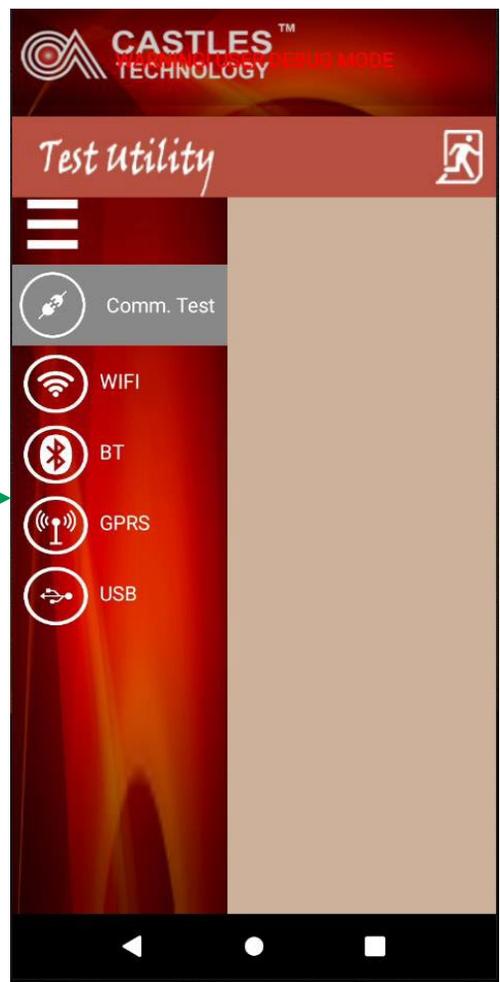
# Basic Operation

## Comm Test

Diagnose the communications functionality



*Comm Test*



*WIFI* - Diagnose the WiFi  
*BT* - Diagnose the Bluetooth  
*USB* - Diagnose the USB  
*GPRS* - Diagnose the GPRS

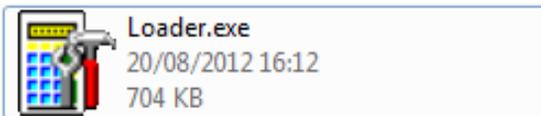
# Secure File Loading

The terminal features an interface named *User Loader* (ULD) that provides secure file loading to the system memory. The loader only applies to download the CAP file for the user application and the kernel firmware.

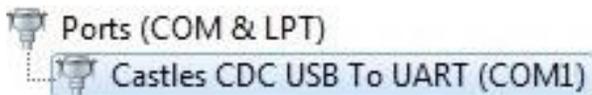
The *ULD Download Utility* is the official tool to download the CAP file into the terminal. The loader is located at:

`C:\Program Files (x86)\Castles\SATURN1000\tools\Loader`

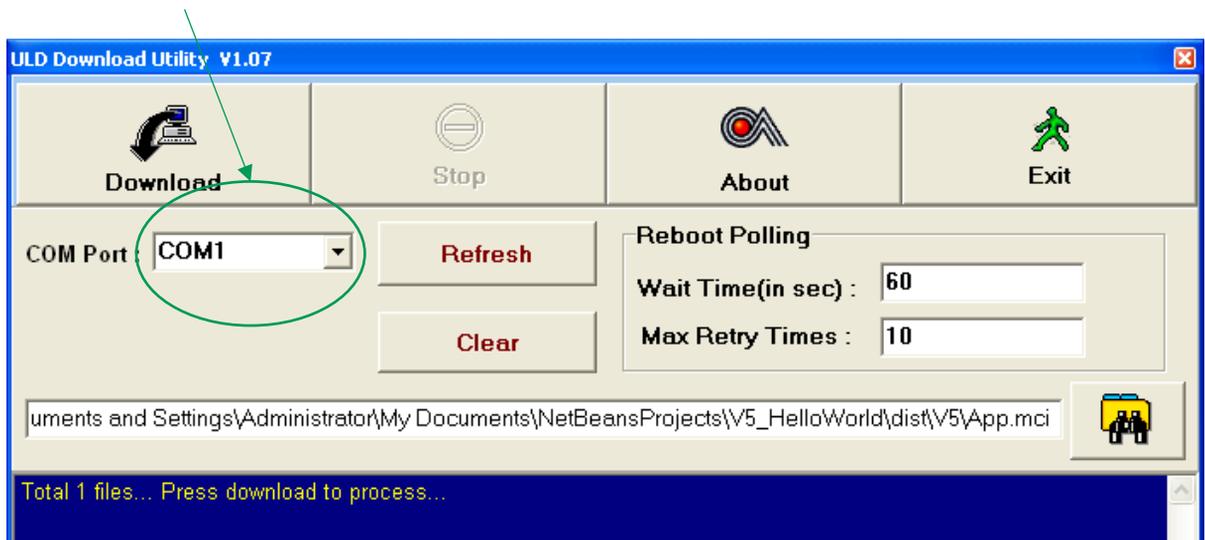
- Run *Loader.exe*



- Check the terminal com port in Device Manager

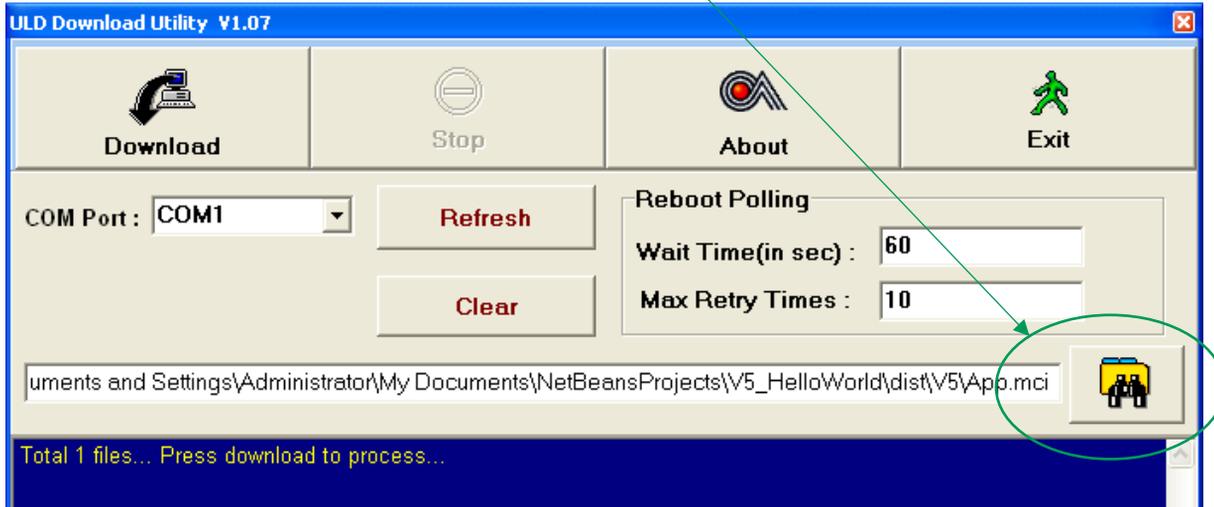


- Select the COM port

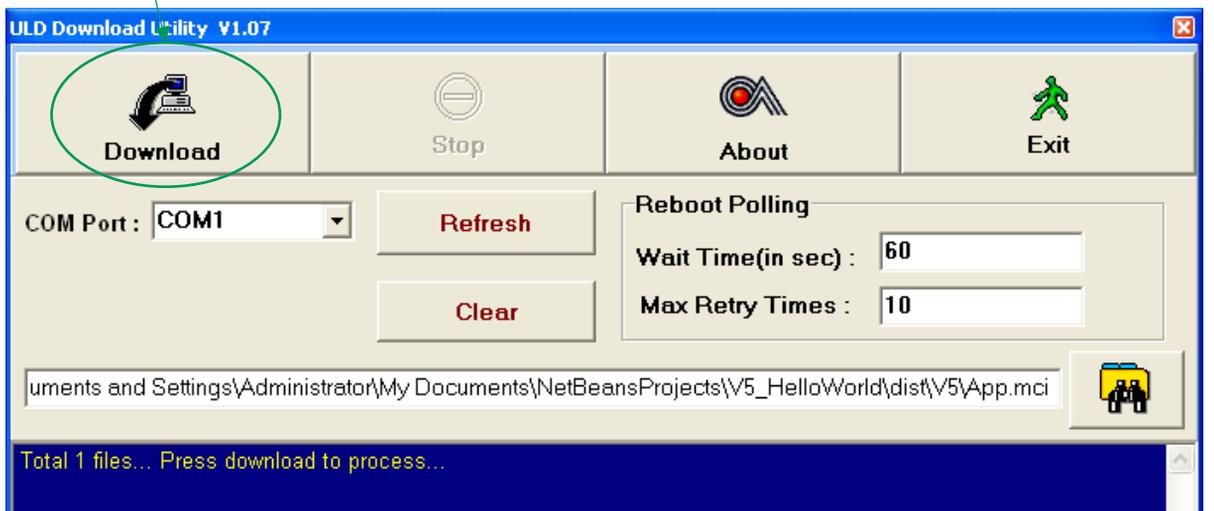


# Secure File Loading

- Browse and select *mci* or *mmci* file



- On terminal side, please refer to the chapter *Basic Operation Loader* to set the terminal in the status of waiting for download
- Press *Download* to start the download



# Secure File Loading

- Once the download has finished, the log screen will confirm with the message *Download OK*

