lpu237 mapper user guide

V3.2

Contents

About mapper

this application is provided for changing lpu237 product configuration.

Platform

android version 7.1 ~ 12

API level 24.

limitation

- Supports a single device.
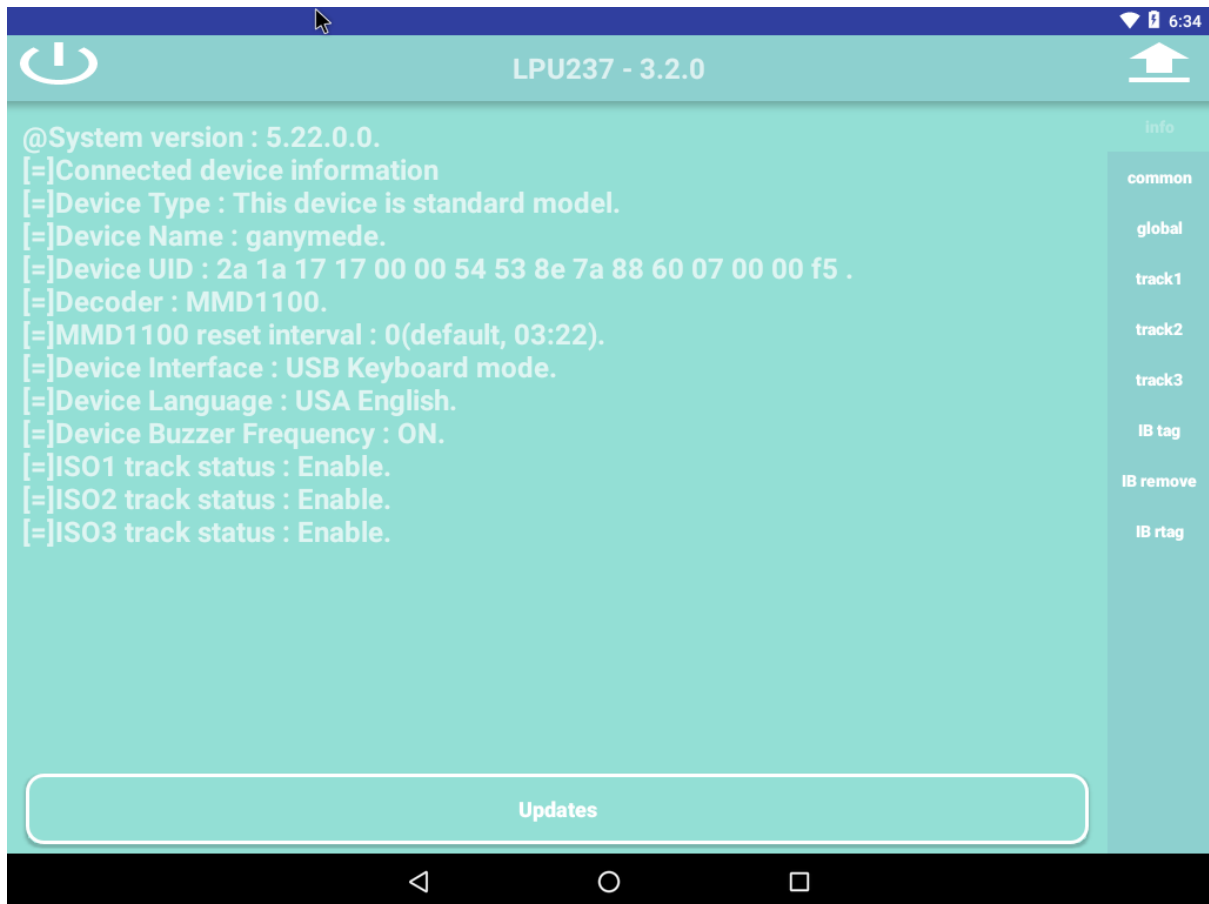- Supports English language only.

Using

Run "lpu237 mapper".

Picture 1 - StartActivity

selects a device in list-view. or press "connect button"[1] to configurate a lpu237.

if lpu237 is connected normally, "MainActiviy" will be started.(Picture 2)

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[1] top right button in StartActivity.

Picture 2 – The info tab of MainActivity.

the MainActivity is composed of header area and 9-tab pages.

In header area, For closing activity, "close button"[2]. For saving the changed parameters, "save button"[3]

At starting, it selects the info-tab automatically. the info-tab displays the information of the selected lpu237.
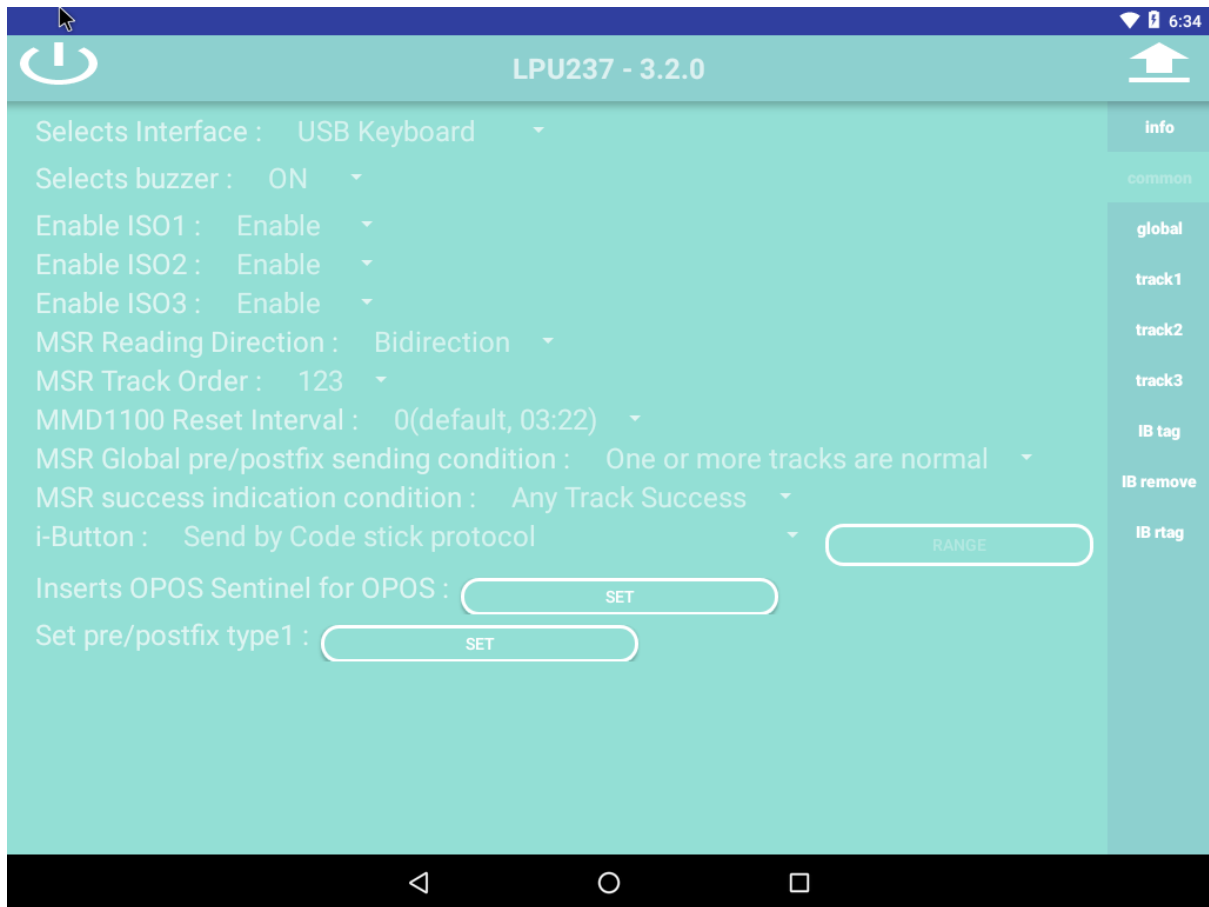
the info-tab of MainActivity.

In this tab, you can see the information of selected lpu237, and update a firmware by "Updates button".

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[2] top-left button in all activity.

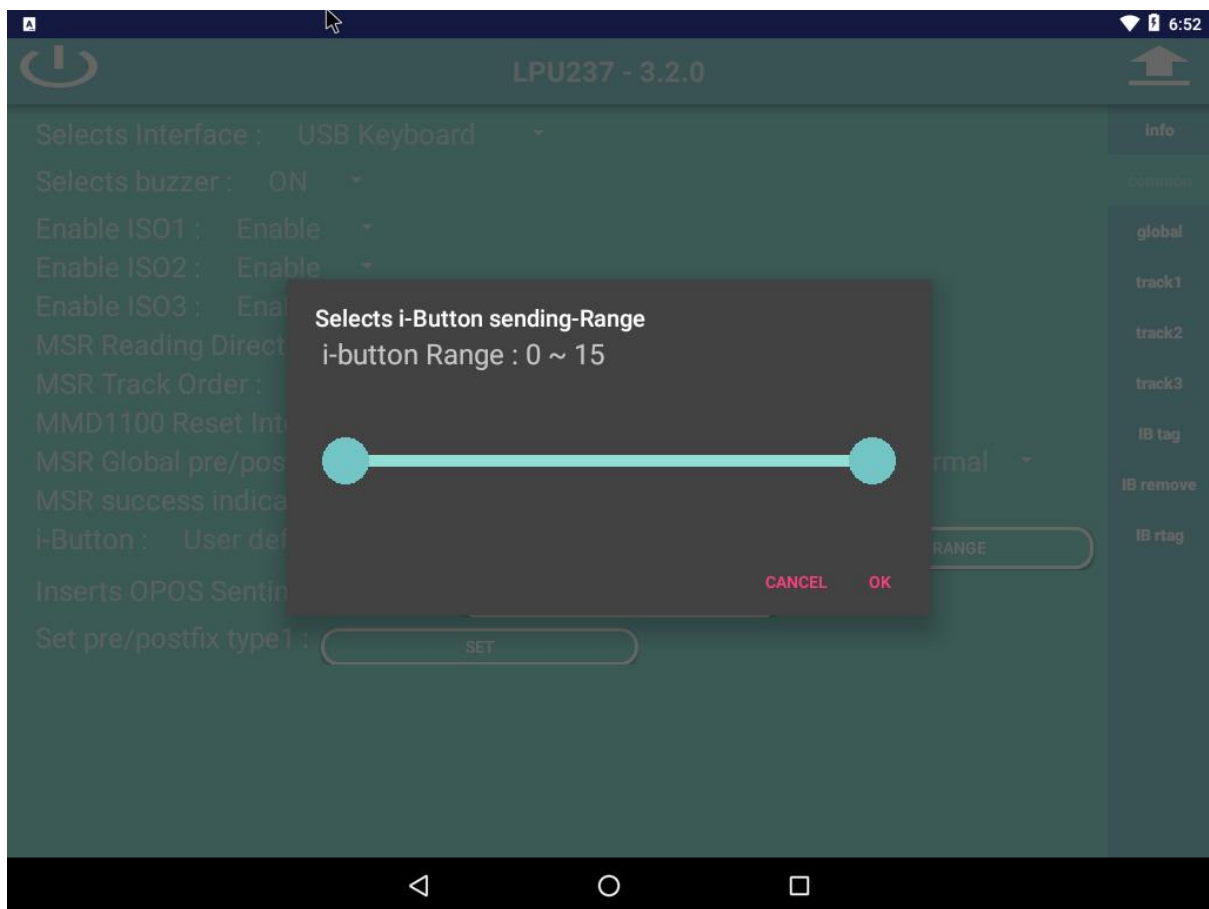[3] top-right button in MainActivity.

Picture 3 - **The common tab of MainActivity.**

the common-tab of MainActivity.

- "Selects Interface" spinner – change a interface between host and lpu237.
- "Selects buzzer" spinner – enable /disable the buzzer sound of lpu237.
- "Enable ISO1" spinner – determine whether sending or not a ISO1 track data of a magnetic card.
- "Enable ISO2" spinner – determine whether sending or not a ISO2 track data of a magnetic card.
- "Enable ISO3" spinner – determine whether sending or not a ISO3 track data of a magnetic card.
- "MSR Reading Direction" - determine the direction of card reading is Bidirectional, Forwarding or Backwarding.
- "MSR Track Order" - determine the sending order of card track.
  - "123" – the sending order is track1, track2 and track3.
  - "132" - the sending order is track1, track3 and track2.
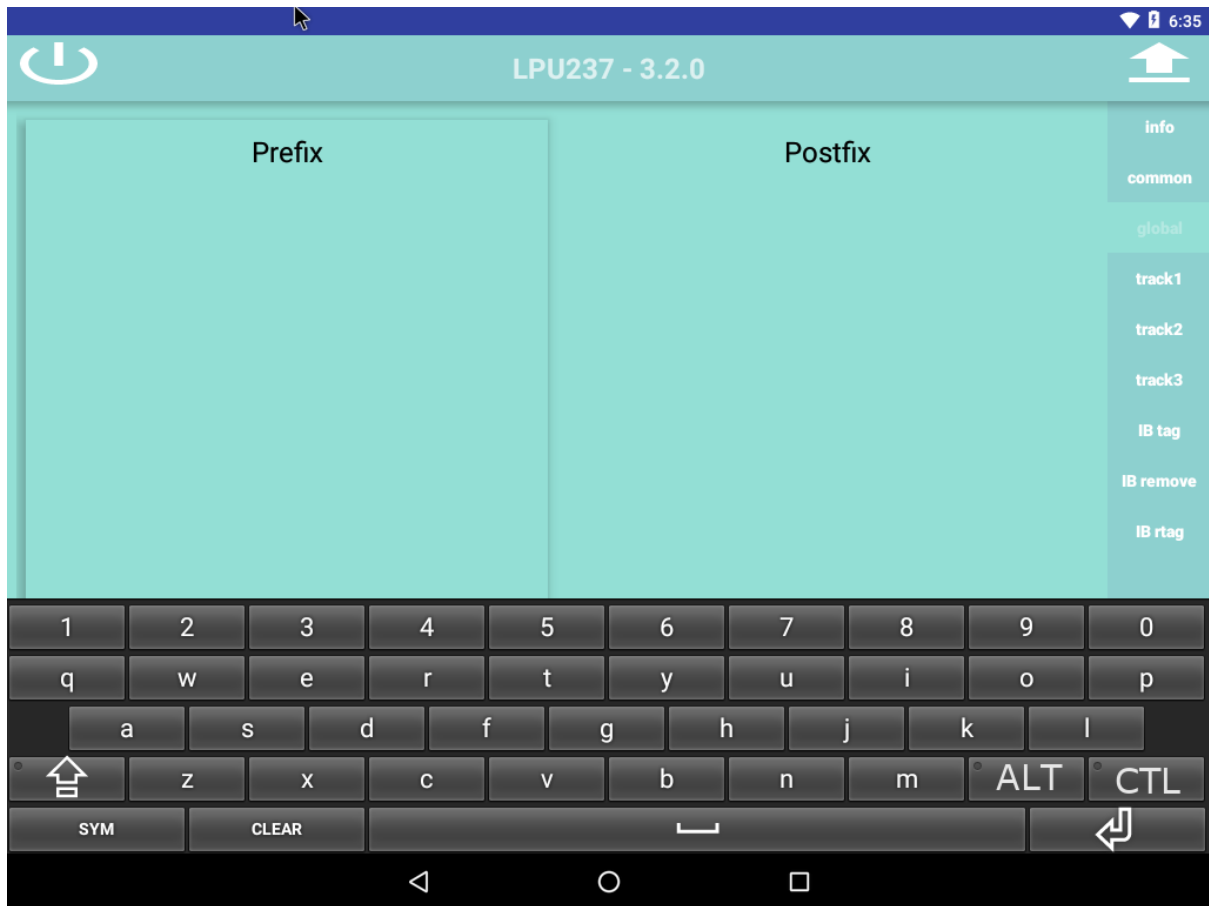 - and so on.

- "MMD1100 Reset interval" – if the decoder chip of your MSR is MM1100, you can reset decoder periodically for fixing a problem of decoder. and this option selects reset period.
- "MSR Global pre/postfix sending condition" spinner – changes the sending condition of the globaltab pre/postfix.
- "MSR success indication condition" spinner - Set the success conditions for the buzzer and LED.
- "i-Button" spinner – change a i-button mode.
    - if you selects "User Definition" mode, you can select the sending range of i-button data.(your device must be support i-button reading and i-button range)

Picture 4 - i-button range selection

- the "SET" button of "Inserts OPOS sentinel for OPOS" – remove all private-pre/postfix. and add STX of each track to private-prefix. add ETX of each track to private-postfix.
- the "SET" button of "Set pre/postfix type1 : add STX of each track to private-prefix. add ETX of each track to private-postfix.

To save the changed parameter, press "save button".
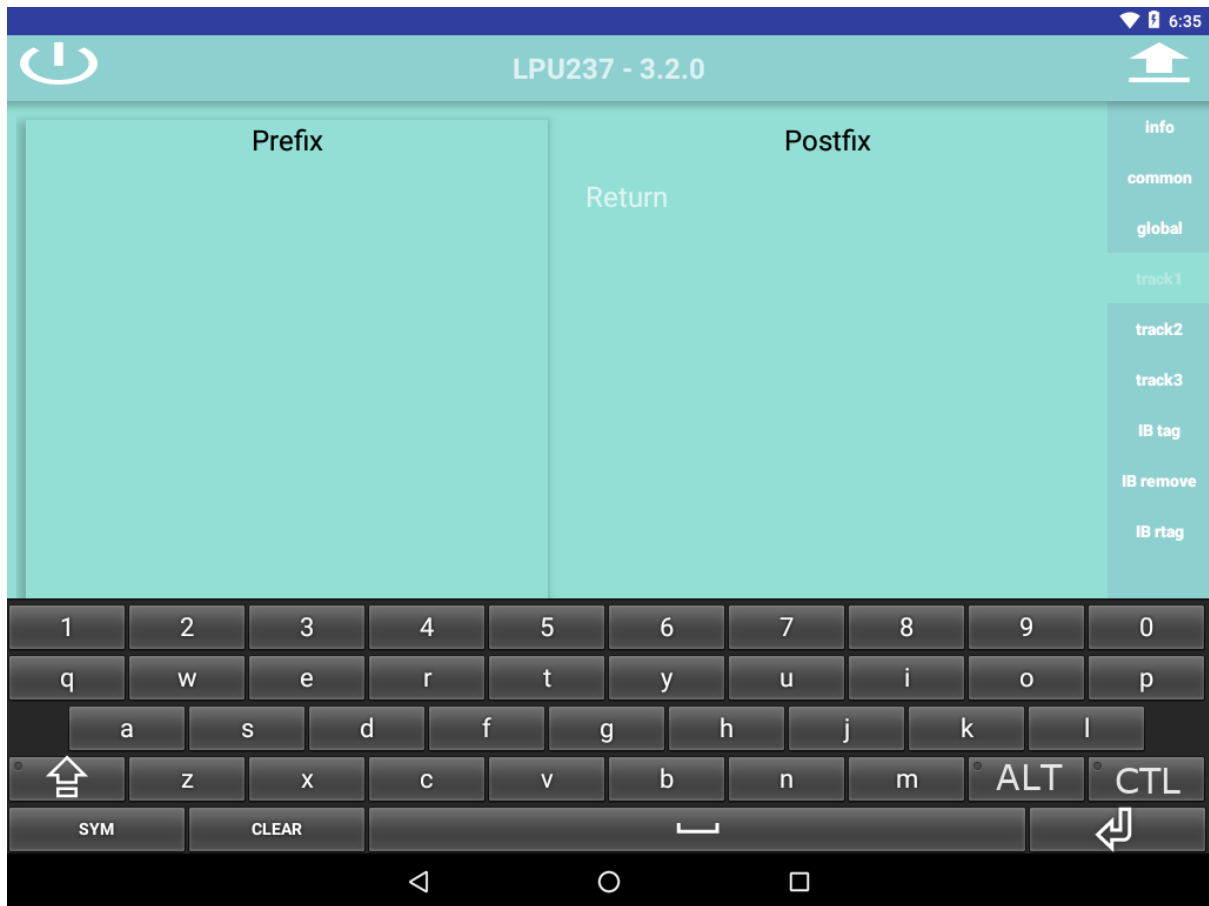
the global-tab of MainActivity.

If you want to change the global prefix, selects the Prefix area, and select a key of bottom virtual keyboard.

If you want to change the global postfix, selects the Postfix area, and select a key of bottom virtual keyboard.

the maximum number of each global pre/postfix is 7.

For clearing the selected value, touch "CLEAR" key.

To save the changed parameter, press "save button".

Picture 5 - the track1-tab of MainActivity

the tack1~3-tab of MainActivity.

To change each track's private-pre/postfix, select "track1-tab" , "track2-tab" or "track3-tab".

If you want to change the private prefix, selects the Prefix area, and select a key of bottom virtual keyboard.
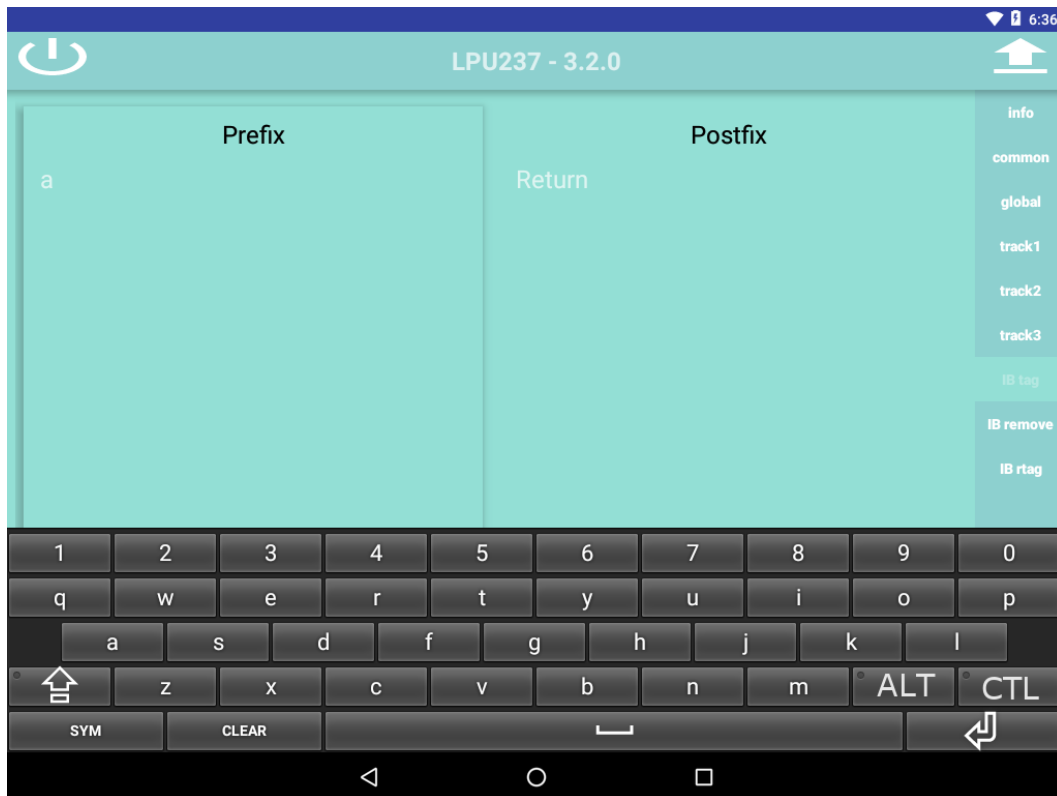
If you want to change the private postfix, selects the Postfix area, and select a key of bottom virtual keyboard.

the maximum number of each private pre/postfix is 7.

For clearing the selected value, touch "CLEAR" key.

To save the changed parameter, press "save button".

Picture 6 - The i-button tag tab of MainActivity.

the IB tag tab of MainActivity.

If your mode supports i-button interface, you can select this tab.

The tag defined in this tab is applied to both the i-button key and the i-button remove key or only to the i-button key, depending on the firmware version.
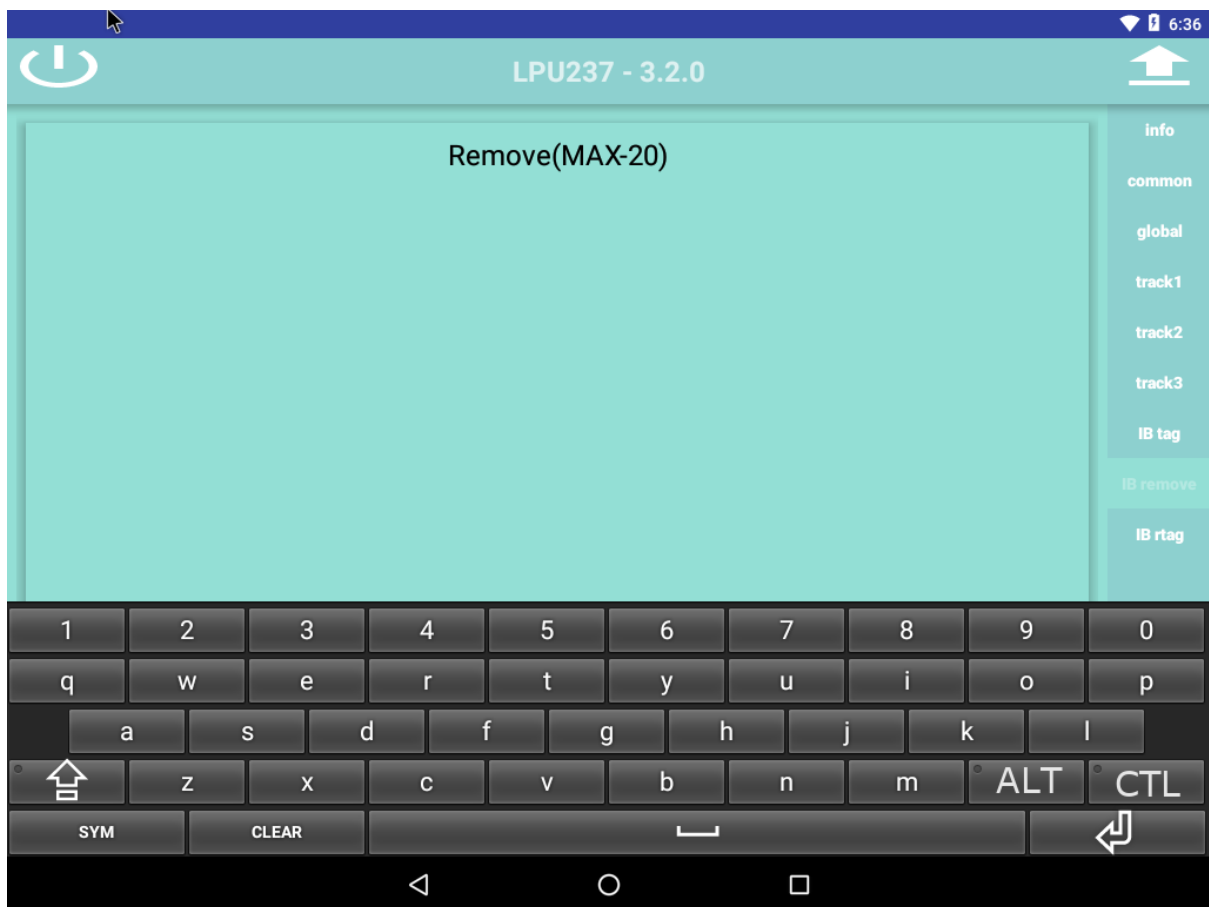
If you want to change the i-button prefix, selects the Prefix area, and select a key of bottom virtual keyboard.

If you want to change the i-butto postfix, selects the Postfix area, and select a key of bottom virtual keyboard.

the maximum number of each i-button pre/postfix is 7.

For clearing the selected value, touch "CLEAR" key.

To save the changed parameter, press "save button".

Picture 7 - The i-button remove tab of MainActivity.

the IB remove tab of MainActivity.

if your mode supports i-button interface and the definition of removed key, you can select this tab.

This value is operating in only "User Definition" i-button mode.

This tab defines the key sent to the host when removing the i-button.

The maximum allowed number of keys is 20.

For clearing the selected value, touch "CLEAR" key.

To save the changed parameter, press "save button".

Picture 8 - **The i-button remove tag tab of MainActivity.**

the IB rtag tab of MainActivity.

if your mode supports i-button interface and definition of remove tag, you can select this tab.

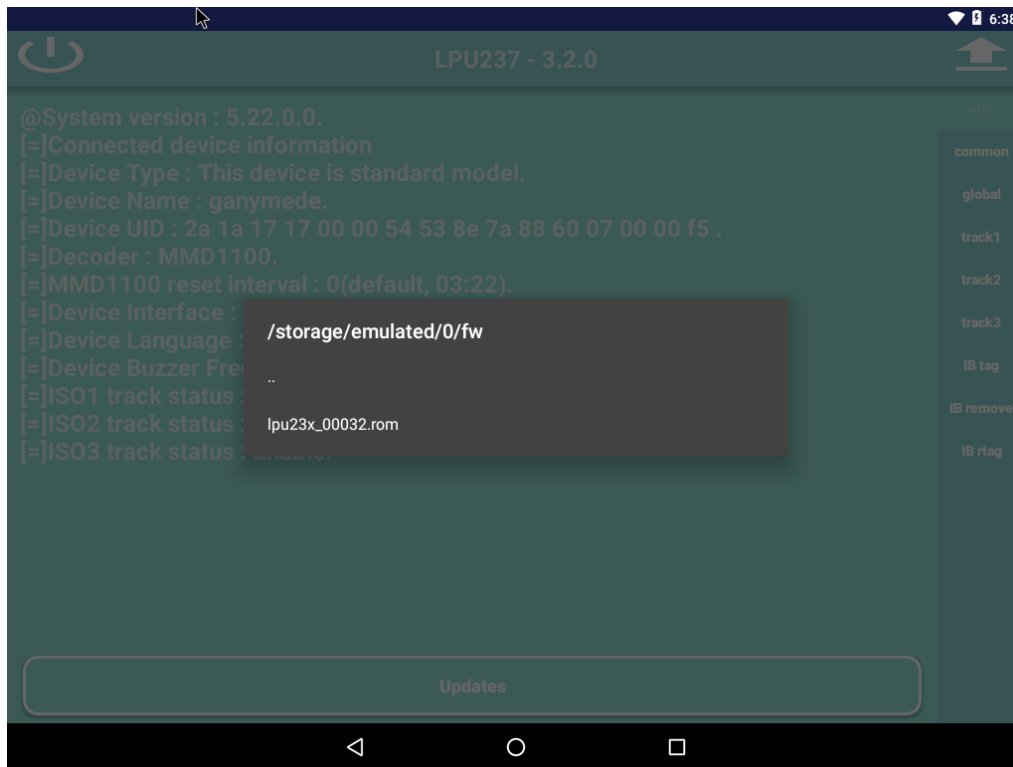This value is operating in only "User Definition" i-button mode.

If you want to change the i-button prefix, selects the Prefix area, and select a key of bottom virtual keyboard.

If you want to change the i-button postfix, selects the Postfix area, and select a key of bottom virtual keyboard.

the maximum number of each i-button pre/postfix is 7.

For clearing the selected value, touch "CLEAR" key.

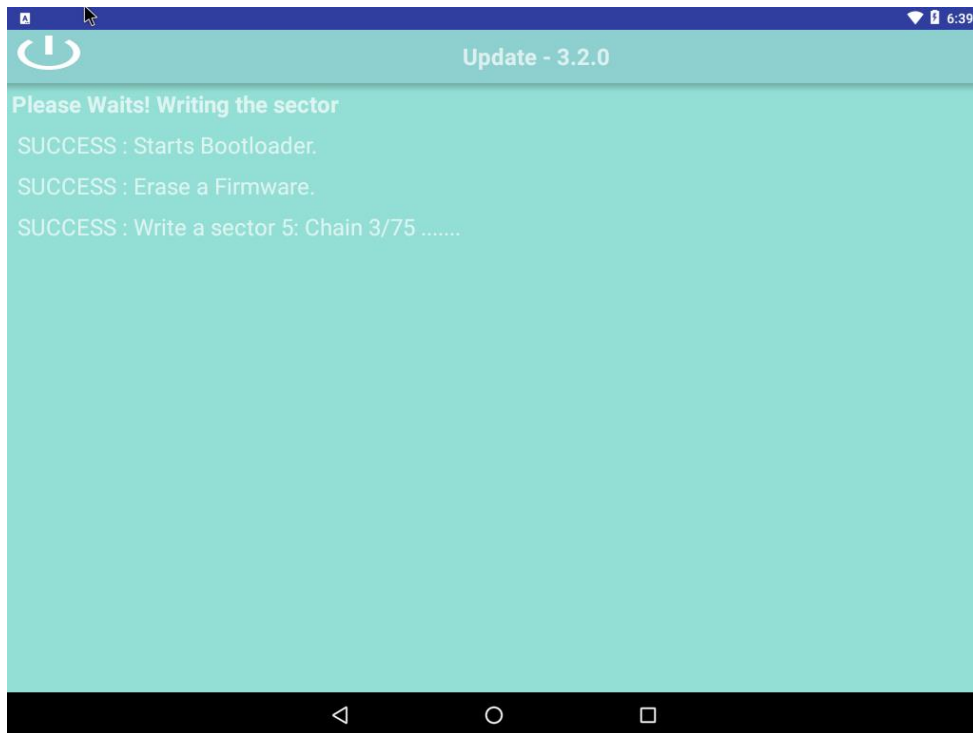To save the changed parameter, press "save button".

Picture 9 - **Selects a File for updating firmware.**
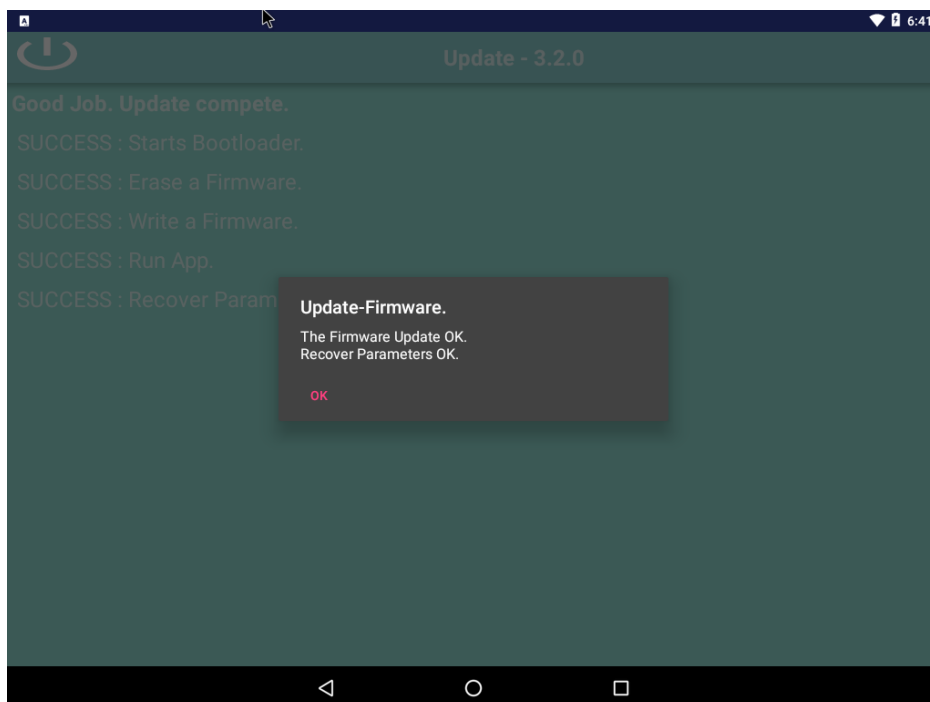
To update a firmware.

select the info-tab of MainActivity.

select "Updates button", File-selection dialog will be displayed.(Picture 9)

select a rom file. then will be stared the process of firmware-update with UpdateActivity.

Picture 10 - updating a firmware.

Picture 11 - the complete of Update-Firmare.

press "OK button" in Picture11, StartupActivity will be display, then you can select a lpu237 in the

list-view in StartupActivity as like Picture1

Default setting

- Interface – USB Keyboard
- Buzzer – ON
- ISO1 – Enable
- ISO2 – Enable
- ISO3 – Enable
- MSR Reading Direction – Bidirection
- MSR Track Order – 123
- MMD1100 Rest Interval – 0(default,03:22)
- MSR Global pre/postfix sending condition – No Error in all tracks
- MSR success indication condition – All Tracks Success
- Button – Send Zeros 16 times When i-button is removed.
- global tag – None
- track1 Prefix – (SHIFT)+%
- track1 Postfix – (SHIFT)+?, Return
- track2 Prefix – ;
- track2 Postfix – (SHIFT)+?, Return
- track3 Prefix – ;
- track3 Postfix – (SHIFT)+?, Return
- IB tag Prefix – None
- IB tag Postfix – Return
- IB Remove – None
- IB rtag Prefix – None
- IB rtag Postfix – Return