lpu237 mapper user guide

V3.2

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# 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”.

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자동 생성된 설명

Picture 1 - StartActivity

selects a device in list-view. or press “connect button”[[1]](#footnote-1) to configurate a lpu237.

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

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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]](#footnote-2). For saving the changed parameters, “save button”[[3]](#footnote-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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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)

텍스트, 스크린샷, 소프트웨어, 멀티미디어 소프트웨어이(가) 표시된 사진

자동 생성된 설명

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”.

전자제품, 스크린샷, 텍스트, 노트북이(가) 표시된 사진

자동 생성된 설명

## 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”.

전자제품, 스크린샷, 노트북, 텍스트이(가) 표시된 사진

자동 생성된 설명

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”.

전자제품, 스크린샷, 텍스트, 노트북이(가) 표시된 사진

자동 생성된 설명

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”.

전자제품, 스크린샷, 텍스트, 전자 기기이(가) 표시된 사진

자동 생성된 설명

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”.

전자제품, 스크린샷, 텍스트, 노트북이(가) 표시된 사진

자동 생성된 설명

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”.

텍스트, 스크린샷, 소프트웨어, 디스플레이이(가) 표시된 사진

자동 생성된 설명

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.

텍스트, 전자제품, 스크린샷, 소프트웨어이(가) 표시된 사진

자동 생성된 설명

Picture 10 - updating a firmware.

텍스트, 스크린샷, 소프트웨어, 멀티미디어 소프트웨어이(가) 표시된 사진

자동 생성된 설명

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

1. top right button in StartActivity. [↑](#footnote-ref-1)
2. top-left button in all activity. [↑](#footnote-ref-2)
3. top-right button in MainActivity. [↑](#footnote-ref-3)