Leading SoC Solution Company for Wearable Device World using its proprietary Low Power CMOS Technology





Installation Guide - Windows 7~10, x86,x64 CPU-

2017.07.21 Maverick Yang



RAONTECH Confidential

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| vista Studio™ | | | | | | | | | | | | | | | | - 0 X |
|-----------------------------|---------------------|----------------------|----------------------|-----------------|---------------|--------------|----------|------|---------------|------|-------------|------------------|---------------|------------|--------------------|-----------------|
| m Window Help | | | | | | | | | | | | | | | | |
| 🖌 🕹 😼 🕹 🕑 | wnload | | | | | | | | | | | | | | 8 | Features 🎄 Debu |
| 🕼 USB 📢 Ser | rial | ÷ | 🗆 🦺 MainDisp | lay 🔵 Gam | maCorrect 🥚 | CoKOA 🔵 BI | tmapDraw | O F | ontDraw | | ۰. | RDC200 🐓 RC | 0P550F-0 🐓 RJ | 19550F-1 🖾 | | 🔶 T P D |
| | | | Resolution | | | | | | | | Drag 8 | Block here | | | | ^ |
| , | App Ver : 4.0.0.d | BootLoader Ver : 1.0 | | Width | 1920 | v | Height | | 1080 | ~ | | Register | Block | Address | Length | Value |
| -BD Firmware Down | loader | | Keystone | | | | | | | | | | | | | |
| Select FirmWare File(.) | hex) | 🗁 Open 🔘 Star | Left Top | х | 0 | Right Top | | x | 0 | - | 1 | CHIPID | SYSTEM | 0x00 | 8 | 0x0 |
| -BD Direct Control | | | - | Ŷ | 0 | | | Y | 0 | ÷ | 2 | DCDC_PROTECT | DC-DC | 0x01 | 1 | 0x1 |
| HDMI RX Control | | | | x | 0 | | | y (| 0 | | 3 | TEMPERATURE_1 | TEMPERATURE | 0x03 | 9 | 0x0 |
| | Initialize | Configuration | Left Bottom | v. | 0 | Right Botton | 1 | , i | • • | | 4 | TEMPERATURE_2 | TEMPERATURE | 0x05 | 9 | 0x0 |
| | | | | | 0 | • | | ^ | 0 | • | 5 | TEMPERATURE_3 | TEMPERATURE | 0x07 | 9 | 0x0 |
| I2C/SPI Control | | | Barrel / Pincusl | nion / Mustache | | | | | | | 6 | DATA_CH0 | SYSTEM | 0x08 | 8 | 0x0 |
| © 12C | U SPI | | - AI | 0.00 | • 12 | 0.00 | • | 13 | 0.00 | • | 1 | DATA_CH1 | SYSTEM | 0:09 | 8 | 0:0 |
| BUS Number : | | v | Chromatic abe Red | nation 0 | + Green | 0 | | Blue | 0 | | 0 | | SYSTEM | 0.08 | 0 | 0.0 |
| Speed : | I2C SPEED = 400KHz | v | latamolatian | | | | | | | | 10 | DATA CH4 | SYSTEM | 0.00 | 8 | 0.0 |
| Bit Length <dec> :</dec> | | 8 | Interpolecion | | Interpolation | Factor | | | 1.00 | ÷ | 11 | DATA CHS | SYSTEM | 0x0D | 8 | 0.0 |
| Read Length < Dec> : | | 2 | | | | | | | | | 12 | DATA_CH6 | SYSTEM | 0x0E | 8 | 0x0 |
| Chip ID(7bit) <hex> :</hex> | | 0x44 | | | _ | | | | | | 13 | DATA_CH7 | SYSTEM | 0x0F | 8 | 0:0 |
| WriteData <hei> :</hei> | | 0x1122 | | | PI6644 | | | | | | 14 | PGEN_RESET | SYSTEM | 0x10 | 1 | 0x0 |
| Read Data <hex> :</hex> | | 0x1122 | | | | | 4.1 | | | | 15 | LVDS_RESET | SYSTEM | 0x10 | 1 | 0x0 |
| | л _{т.Wite} | л | | | | | | | | | 16 | CRD_ROW_RES | SYSTEM | 0x10 | 1 | 0x0 |
| | Church and | | | | | 44 | | | | | 17 | CRD_COL_RESET | SYSTEM | 0x10 | 1 | 0x0 |
| | C write From Hie | Kead To He | | | | | | (| Simulate | | 18 | DCDC_RESET | SYSTEM | 0x10 | 1 | 0x0 |
| | | | | | | | | | | | 19 | TGEN_RESET | SYSTEM | 0x10 | 1 | 0:0 |
| | | | | | | | | | | | 20 Addre | REG_RESET | SYSTEM | 0x10 | 1 | 0:0 ¥ |
| GPIO Control | | | | | | | . A. I. | | | | Auto | SS DIRECT ACCESS | | a dataa | | |
| Port Num. | Sub Num. | Mode Value | | | 0.110/211 | | | | | | Unip IL | 0: 0039 | | Address | :[0:00 | |
| PORT 0 | ~ SUB 0 ~ | OUT ~ INVALID ~ | | | WALKED | 4 | | | | | write - | :HEO : | | | | 0.4A |
| | л., _{См} | Ω _{π Get} | | | | | | | (h | | Read < | Hei> : | | | | 0x55 |
| | Q.vn | yon | | | | | | Save | UP Direct Up: | sate | | Ϋ́ | Write | | ∩ _⊂ Rea | ł. |



う Download

Download installation file from web-site<http://developer.raon-tech.com>

Program should be downloaded correctly for either x86 or x64 Target CPU

| ⑦ RADNTECH | | Features Downloads |
|--|--|---|
| Latest release: 1.0.0 View release notes Download(32bit) Download(64bit) Install Guide | Download(Mac OSX 10.8+) ★ Install Guide | Download(32bit) ≛ Download(64bit) ≛ Download(64bit) ≛ |
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Check the Download file at Download Folder.

| r∰ Vista Studio™_x64.msi | : For x64 CPU PC |
|--------------------------|------------------|
| fr Vista Studio™_x86.msi | : For x86 CPU PC |



Installation<1/2>

Click "Vista Studio™_xxx.msi" then Installer will be started.

| 💕 VistaStudio – 🗆 🗙 | 10 VistaStudio | - 🗆 X | 🕼 VistaStudio | – 🗆 🗙 |
|---|---|--|--|-------------|
| Welcome to the VistaStudio Setup Wizard | Select Installation Folder | ত | Confirm Installation | ত |
| The installer will guide you through the steps required to install Vista Studio. on your computer. | The installer will install VistaStudio to the following folder. To install in this folder, click "Next". To install to a different folde | r, enter it below or click "Browse". | The installer is ready to install VistaStudio on your computer. Click "Next" to start the installation. | |
| WARNING: Vista Studio. is protected by copyright law and international treaties of RAONTECH. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law. | Eolder: C:WRAONTECHWV/staStudioW Install VistaStudio for yourself, or for anyone who uses Everyone Just me Cancel | Browse Disk Cost this computer: < Back Next > | 3 Cancel < | Back Next > |





| 🕼 VistaStudio | | | - × |
|---------------------------------|--------------|--------|--------|
| Installing VistaStudio | | | |
| | | | |
| VistaStudio is being installed. | | | |
| Please wait | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | (4) | | |
| | | | |
| | Cancel | < Back | Next > |

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③ Installation<2/2>

| 🕼 VistaStudio | _ | □ × |
|--|------|----------|
| Installation Complete | | う |
| VistaStudio has been successfully installed. | | |
| Click "Close" to exit. | | |
| 7 | | |
| Completed Vista Stud | io I | nstall |
| Cancel < Back | | Close |



 After completed the install, app and config folder shortcut
 will be placed at Desktop and Programs List



Second State Sec

- VS_TuneFolder shortcut icon indicate <"RAONTECH/VistaStudio/rticonfigs/"> folder.
- ✤ "rticonfigs" folder consist of device tuning files and EVB firmwares.



- device : controller & panel init files
- driver : SiLab's USBXpress Host driver installer
- evb_fw : Evaluation Board(SiLab MCU) FW files
- regmap : register map json files.



③ Enjoy the Application

- ✤ Click the "VistaStudio.exe".
- ✤ After test configuration was done by wizard, program will start.
- Visit RAONTECH Developer site<http://developer.raon-tech.com to know how to use in details.











ා FAQ 1

- How to know CPU Architecture type either x86 or x64.
 - ✓ It can be checked at "Settings → System → About "





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ම FAQ 2

- How to check USB Host driver been installed correctly after an application installed.
 - ✓ It can be checked at "Device Manager" as
 - 1. Press the Windows key + X or right-click on Start to open the Power User Menu.
 - 2. Select **Device Manager** in the menu.
 - 3. "USBXpress Device" should be checked at Universal Serial BUS controllers sub tree.



 If USB Driver is not installed correctly, It can be installed again by <"RAONTECH/VistaStudio/rticonfigs/driver/USBXpressInstaller_x86/64.exe">



www.raon-tech.com

