

eGalaxTouchManager+ Release Note

v4.18.5.626 on 2023/06/26

This is a hotfix release. The following items were fixed:

What's New

- Kernel: upgrade the firmware kernel to v4.18.204

Bug fixes

- Utility: fix the problem that some GPIO sensor mode functions fail
 - Kernel: fix the problem that customer may fail to develop the function of creating uniformity table according the Build-In-Self-Test protocol
 - Kernel: fix the problem that customer may fail to set the mouse remap function according the interface switch command protocol
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v4.18.4.1122 on 2022/11/22

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to v4.18.203

Improvements

- Utility: improve the EventTask setting for interface switch report event
- Kernel: improve the water proof algorithm
- Kernel: improve the noisy hopping algorithm
- Kernel: improve the firmware power-on HW calibration mechanism

Bug fixes

- Utility: fix the problem of adjusting palm sensitivity for the large TP
- Kernel: fix the potential baseline confidence risk when touching at Tx/Rx tail side
- Kernel: fix the problem that the USB report protocol will be reset to default after USB reset

v4.18.3.10810 on 2022/08/10

This is a hotfix release. The following items were added and fixed:

What's New

- Support EETI new IC family: 81X84/81X60
- Kernel: upgrade the firmware kernel to v4.18.201

Improvements

- Utility: Improve the AAKey group relationship verification mechanism
- Utility: Improve the auto detect channel algorithm for the large TP
- Kernel: Add interface switch report event

Bug fixes

- Kernel: fix the I2C yellow bang problem when enabling the deep sleep mechanism
- Kernel: fix the potential baseline confidence risk
- Kernel: fix the problem of accidentally entering water condition when pressing with multiple fingers
- Kernel: fix the problem that Pen reports incorrect ScanTime

v4.18.2.10519 on 2022/05/19

This is a major release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to v4.18.200

Improvements

- Utility: improve the auto learning performance for the large TP
- Kernel: Add the hid report of Touch and Pen to support ScanTime for Windows 11 logo requirement
- Kernel: Add the command to dynamically adjust the touch coordinate resolution
- Kernel: Add the event to enable/disable the dynamic scan scaling mechanism of the scan device
- Kernel: Support the HID consumer control report
- Kernel: improve the I2C power on initialization time

- Kernel: improve the point tracking latency under the I2C low transmission condition
- Kernel: improve the system offset calibration for large TP
- Kernel: improve the system offset calculation algorithm
- Kernel: improve the anti-interference ability under the EFT/ESD conditions
- Kernel: improve the finger augmented signal analyzer
- Kernel: improve the eGalaxPen signal pattern analyzer
- Kernel: improve the coordinate stability of Pen on the hover condition
- Kernel: Add the command to adjust pressure curve of Pen

Bug fixes

- Kernel: fix the reporting incorrect noise data problem for the IC B4XXXX solution
- Kernel: fix the potential baseline confidence problem
- Kernel: fix the conflict problem when enabling the finger augmented signal analyzer and image speedup algorithm simultaneously
- Kernel: fix the eGalaxPen lost function problem for the IC B4XXXX solution
- Kernel: fix the TP edge drawing problem under the water condition
- Kernel: fix the typo error in the USB string descriptor
- Kernel: fix the problem that the first touch point is inside the AAKey and the long pressure right click event can't be triggered
- Kernel: fix the reporting incorrect event log command problem under the UART interface

v4.16.1.1122 on 2021/11/22

This is a major release. The following items were added and fixed:

What's New

- Support EETI new generation IC family: 81xxx/D4xxxx/B4xxxx
- Utility: add the license expiration alert
- Kernel: upgrade the firmware kernel to v4.16.190
- Kernel: new generation touch point tracking algorithm
- Kernel: new generation finger augmented signal analyzer
- Kernel: support PTP (Precision Touchpad) and relative mouse report protocol

Improvements

- Utility: improve the ability to detect the electrical characteristic of the touch system
- Kernel: improve the noise detection algorithm

Bug fixes

- Kernel: fix the touch function failure issue when finger draws from the inside to outside of the AAKey area
 - Kernel: fix the touch point orientation issue when GPIO trigger rotation event frequently
 - Kernel: fix the touch performance low issue after frequency hopping when Tx channel is less than 11
 - Kernel: fix the touch report HID pressure usage error issue
 - Kernel: fix the touch report width/height unexpected value when touch on the edge of the touch panel
 - Kernel: fix the pen report unexpected tilt value at 0 degree
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v4.14.3.624 on 2021/6/24

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to [v4.14.161](#)

Improvements

- Utility: improve the auto learning speed
- Kernel: improve the 80H84 controller power consumption during I2C power sleep mode

Bug fixes

- Utility: fix the auto learning process failure issue
 - Utility: fix the EventTask setting error problem
 - Kernel: fix the firmware idle update issue
 - Kernel: fix the mouse right click failure issue when finger down count is 0
 - Kernel: fix the touch point orientation issue when using one GPIO to trigger rotation
 - Kernel: fix the touch wakeup system failure issue when enabling the active area remap function
 - Kernel: fix the TP_EN function failure issue for 86Hxxx IC family
 - Kernel: fix the controller can't enter sleep state issue when finger is pressed and receives HID over I2C power off command
 - Kernel: fix the firmware palm/water/noise condition failure issue on some Windows HID over I2C platform
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v4.14.0.305 on 2021/3/5

This is a major release. The following items were added and fixed:

What's New

- Utility: new improved finger auto learning engine
- Kernel: upgrade the firmware kernel to v4.14.159

Improvements

- Kernel: improve the touch performance under the water condition
- Kernel: improve the touch performance under the noise condition
- Kernel: improve the pen performance under the noise condition
- Kernel: improve active area remap function
- Kernel: improve USB anti-interference ability

Bug fixes

- Kernel: fix firmware failure issue when the number of Tx channels is less than 4
 - Kernel: fix the touch no function issue when enabling TP_EN function and wakeup the controller from deep sleep state
 - Kernel: fix the 86H82 I2C communication failure issue
 - Kernel: fix the 86Hxxx IC family short test issue
 - Kernel: fix some unstable frequency hopping issue when enabling the finger augmented signal analyzer function
 - Kernel: fix the MPP signal issue on the 86Hxxx IC family
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v4.10.4.903 on 2020/9/3

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to v4.10.143

Bug fixes

- Kernel: fix the mouse abnormal problem after switching from multi-touch to mouse report via command
 - Kernel: fix the problem that the Rx-83 channel of 80H84 cannot be used
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v4.10.3.817 on 2020/8/17

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to v4.10.142

Bug fixes

- Kernel: fix the 80H46/80H32 image data error when channel "TxEnd+RxStart" is greater than 30
 - Kernel: fix the touch issue after switching touch report from multi-touch to mouse format
 - Utility: fix the Event Task7~11 setting issue
 - Utility: fix the USB serial number parameter issue when upgrading from old kernel
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v4.10.2.729 on 2020/7/29

This is a hotfix release. The following items were added and fixed:

Bug fixes

- Utility: fix some water down/up count parameter setting error
 - Utility: fix the auto learning failure issue when controller firmware kernel is v4.08
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v4.10.2.723 on 2020/7/23

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to v4.10.140

Improvements

- Kernel: improve the UART communication

Bug fixes

- Kernel: fix the finger auto learning failure on the 80H46/80H32 kernel v4.10.139
 - Utility: fix the Event Task setting issue for the key event
 - Utility: fix the beep on touch issue when using finger and pen alternately
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v4.10.1.622 on 2020/6/22

This is a major release. The following items were added and fixed:

What's New

- Utility: new Event Task function
- Utility: new Password Gesture function
- Kernel: upgrade the firmware kernel to v4.10.139

Improvements

- Kernel: improve finger augmented signal analyzer function
- Kernel: improve the touch performance under the water condition
- Kernel: improve the touch performance when drawing in the corner
- Kernel: improve pen stroke performance
- Kernel: improve double click enhanced function
- Kernel: improve active area remap function

Bug fixes

- Kernel: fix the width and height of palm report unstable issue
 - Kernel: fix sometimes the interface switch command failure issue
 - Kernel: fix the baseline confidence issue when enabling channel mask function
 - Kernel: fix bug where using GPIO to switch finger scenario mode failure issue
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v4.8.1.1219 on 2019/12/19

This is a hotfix release. The following items were added and fixed:

What's New

- Kernel: upgrade the firmware kernel to v4.08.165

Improvements

- Utility: improve the finger touch auto learning accuracy

Bug fixes

- Utility: fix the export firmware sometimes fails
- Kernel: fix the touch unstable issue after frequency hopping
- Kernel: fix the touch disable command failure issue

- Kernel: fix the pen report incorrect pressure value at the first tip position
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v4.8.1.1212 on 2019/12/12

This is a major release. The following items were added and fixed:

What's New

- Utility: support parameter import function
- Utility: support eGalaxPen linear calibration
- Kernel: upgrade the firmware kernel to v4.08.164
- Kernel: new finger augmented signal analyzer function
- Kernel: new interface report mode setting (Simultaneous or USB First)
- Kernel: support report protocol compatible function

Improvements

- Kernel: improve finger touch performance
- Kernel: improve palm rejection performance
- Kernel: improve eGalaxPen draw in/out compensation

Bug fixes

- Kernel: fix power on short test stability issue
- Kernel: fix eGalaxTuner draw test issue when enabling the active area mapping function
- Kernel: fix touch drawing issue when enabling double click enhanced function
- Kernel: fix touch drawing issue once palm condition is detected
- Kernel: fix image speed up function issue