

## Gesture change history

**No longer under development. Superseded by UPDD Commander.**

### **Release 2.6.7, 13th December 2018**

- (macOS only) Use monitor number in digitizer event - caters for mirrored mode, all touches being directed to Monitor 1.

### **Release 2.6.6, 4th September 2018**

- (macOS only) Fix menu bar icon in macOS 10.14
- (macOS only) All gesture actions that post mouse or trackpad events now require Accessibility features in macOS 10.14
- (macOS only) Hiding the cursor now requires Accessibility features in macOS 10.14
- (macOS only) Prevent "Accessibility Access" dialog from opening before a touch device is connected in macOS 10.14

### **Release 2.6.5, 19th February 2018**

- (macOS only) Fixed bug where "Reset cursor position" would prevent "click lasts" setting from working
- (macOS only) Added non-GUI setting for wiggling the mouse cursor before mouse actions (Microsoft PowerPoint compatibility fix)

### **Release 2.6.4, 31st January 2018**

- (macOS only) Added option to "Navigate between pages" gesture that allows focus
- (macOS only) Fixed possible crash

### **Release 2.6.3, 26th January 2018**

- (macOS only) Fixed bug where "swipe between pages" wouldn't work when disabled in the Trackpad system preferences
- (macOS only) Added checkbox to "Scroll & Swipe between pages" action options that allows disabling swipe between pages

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### **Release 2.6.2, 11th January 2018**

- (macOS only) Renamed "Scroll" action to "Scroll & Swipe between pages" for clarity
- (macOS only) Renamed "Swipe between pages" action to "Navigate between pages" for clarity
- (macOS only) Fixed "Navigate between pages" action

### **Release 2.6.1, 21st December 2017**

- Fixed bug where thread would be uncleanly terminated when quitting
- (macOS only) Fixed crashes that can occur when app quits while not connected to the UPDD
- (macOS only) Added non-GUI [setting for controlling the minimum Y the mouse cursor can be moved to by gesture actions](#)

### **Release 2.6.0, 2nd December 2017**

- (macOS only) Converted app to an always-on launch agent
- (macOS only) Removed "Touch Events and API" interface option as it is no longer supported
- (macOS only) No longer necessary to restart UPDD Gestures when changing its interface setting
- (macOS only) Fixed bug where sometimes not all its login items would be removed when uninstalling UPDD Gestures

### **Release 2.5.4, 20th November 2017**

- (macOS only) Improved performance of zoom in and out, rotate, and scroll gesture actions
- (macOS only) Default action for press gesture is now a right click
- (macOS only) Fixed bug where UPDD inking preference pane would not be removed when the UPDD is uninstalled
- (macOS only) Fixed bug where touches that simulate tablet input would always have 0 pressure, resulting in handwriting recognition not working

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### **Release 2.5.3, 3rd November 2017**

- (macOS only) Waiting until a touch device is connected before requesting that the user give permission to UPDD Gestures to control the computer, in order to prevent too many dialogs from opening during installation in macOS 10.13

### **Release 2.5.2, 30th October 2017**

- (macOS only) Added more logging for when mouse emulation is enabled / disabled"

### **Release 2.5.1, 10th October 2017**

- (macOS only) Can now disable smart zoom in web browser mode using non-GUI setting "gesture web browser disable smart zoom"
- (macOS only) Fixed bug where extra clicks could occur due to mouse emulation not being re-disabled after reconnecting to driver

### **Release 2.5.0, 7th October 2017**

- (macOS only) Can now use the Accessibility Keyboard as the on screen keyboard in macOS 10.13 and later
- (macOS only) Possible to independently disable touches and pen input by using non-UI settings
- (macOS only) Fixed bug where a pen stylus or touch might not be released when disabling the app

### **Release 2.4.11, 8th September 2017**

- Fixed bug where app would crash when launched while UPDD Test is running
- Fixed bug where UPDD Gestures would not post gesture data to the UPDD while UPDD Test was running

### **Release 2.4.10, 4th September 2017**

- (macOS only) Updated to support retina displays

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### **Release 2.4.9, 25th August 2017**

- (macOS only) Added timeout to search for closest UI element -- improves responsiveness for slow apps or games
- (macOS only) Fixed small memory leak when using click nearest UI element

### **Release 2.4.8, 19th July 2017**

- Fixed bug where changing display resolution could cause position of TUIO touches to break
- Fixed bug where unnecessary warning message would be printed when receiving TUIO touches
- No longer spamming gesture log when there is no device detected
- Fixed potential crash when opening settings window for API only interface or in Linux or Windows
- Fixed incorrect formatting in change history
- (macOS only) Gesture actions are disabled while UPDD Annotate is running and active
- (macOS only) Fixed bug where deactivating the app could cause the cursor to move to the corner of the screen
- (macOS only) Fixed bug where panning a zoomed screen may not work after changing display resolution or arrangement
- (macOS only) Fixed momentum when panning zoomed screen

### **Release 2.4.7, 27th June 2017**

- (macOS only) Added non-GUI setting for enabling or disabling "swipe between pages" gesture independently of trackpad settings

### **Release 2.4.6, 12th June 2017**

- (macOS only) Fixed bug where UPDD Gestures couldn't be open in more than one user account at the same time-
- (macOS only) Removed unnecessary debug printing

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### **Release 2.4.5, 8th June 2017**

- (macOS only) Fixed bug where scrolling momentum would occur when switching gestures without lifting fingers

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- (macOS only) Improved reliability of edge swipe gestures for AirBar sensor
- (macOS only) Improved calculation of scrolling momentum for AirBar sensor
- (macOS only) Fixed bug where switching between two finger and single finger drags in web browser mode would interrupt in-progress gestures
- (macOS only) Workaround for certain devices that post erroneous touch down events with stylus ID of 0

### **Release 2.3.10 19th May 2017**

- (macOS only) Added "Three Finger Squeeze and Splay" gesture
- (macOS only) Improved reliability of edge swipe gestures for AirBar sensor
- (macOS only) Improved calculation of scrolling momentum for AirBar sensor
- (macOS only) Fixed bug where switching between two finger and single finger drags in web browser mode would interrupt in-progress gestures
- (macOS only) Workaround for certain devices that post erroneous touch down events with stylus ID of 0

### **Release 2.3.9, 16th May 2017**

- Fixed bug where using upddutils / the UPDD API to change application settings would not take effect for certain settings
- (macOS only) Fixed a bug where disconnecting a device while it has in-progress touches could cause other devices to remain locked
- (macOS only) "Enable UPDD Gestures" menu item only visible when non-graphical setting "gesture show enable app setting" is set to 1
- (macOS only) "Enable UPDD Gestures" menu item warns user about needing a secondary pointing device

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### **Release 2.3.8, 10th May 2017**

- (macOS only) Fixed bug where Smart Zoom action wouldn't work correctly
- (macOS only) Can switch between drag gesture and two finger gestures in web browser mode
- Fixed bug where system tray / menu bar icon visibility wouldn't take effect when changed using upddutils or the UPDD API

### **Release 2.3.7, 1st May 2017**

- (macOS only) Fixed issue where momentum scrolling did not work in Maps.app
- (macOS only) Maps.app can now be used in web browser mode
- (macOS only) Maps.app is now one of the default apps listed in web browser mode

### **Release 2.3.6, 27th April 2017**

- (macOS only) Fixed crash when toggling Keyboard Viewer
- (macOS only) Printing more debug information when Keyboard Viewer fails to toggle
- (macOS only) Fixed bug where UPDD Gestures would try to toggle the on-screen keyboard when Accessibility is disabled
- (macOS only) Renamed "Toggle Keyboard Viewer" to "Toggle On-Screen Keyboard" for consistency

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- (macOS only) Fixed bug where two finger taps may not produce a click due to erroneously being considered part of a UPDD toolbar
- The settings dialog will update when UPDD Gestures' settings are changed by another process (such as upddutils)

### **Release 2.3.3, 15th March 2017**

- (macOS only) Web browser mode is only used when gesturing over a web browser area, rather than when a web browser is the active application
- (macOS only) Fixed bug where removing all web browsers from the list would cause them to all come back when restarting UPDD Gestures
- Sliders in the settings window can no longer be adjusted using the scroll wheel

### **Release 2.3.2, 7th March 2017**

- (macOS only) Fixed bug where using double tap to smart zoom in web browser mode wouldn't zoom the area under the gesture

### **Release 2.3.1, 6th March 2017**

- Added option for being able to switch between gestures using the same number of fingers without having to lift off fingers first
- Added setting for disabling or increasing movement jitter smoothing used when detecting gestures
- Added hidden setting "gesture detection delay" that suspends gesture detection for the specified number of milliseconds to accomodate devices that experience delays in reporting touches

### **Release 2.3.0, 22nd February 2017**

- (macOS only) Added "Web Browser Mode" feature, where UPDD Gestures will use a special mode that emulates browsing in iOS for apps that are specified as a web browser
- (macOS only) "Swipe between full screen apps" action uses physical speed of touches rather than a speed based on screen pixels
- (macOS only) "Swipe between full screen apps" action now has a



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### **Release 2.2.24, 18th November 2016**

- (macOS only) Fixed bug where opening the UPDD Gestures.app Finder icon would not cause the settings window to open

### **Release 2.2.23, 2nd November 2016**

- Fixed bug where if the UPDD driver restarts it could cause UPDD Gestures to quit

### **Release 2.2.22, 11th October 2016**

- Fixed bug where UPDD styluses could be erroneously treated as one stylus for certain devices that rely on hidreportId or usbInterface
- UPDD Gestures disables itself while UPDD Test is running
- Updated to latest version of v6 UPDD API

### **Release 2.2.21, 19th September 2016**

- (Windows only) Fixed bug where opening a second instance UPDD Gestures would not cause the Settings window to open right after installing the UPDD
- Updated to latest version of v6 UPDD API

### **Release 2.2.20, 16th September 2016**

- Fixed crash that can occur when the display or UPDD configuration changes, and possibly other situations

### **Release 2.2.19, 12th September 2016**

- (macOS only) Fixed Scroll action and back/forward Safari gestures in macOS 10.12

### **Release 2.2.18, 19th August 2016**

- (OS X only / internal use only) Adds and removes login items during UPDD installation and uninstallation

### **Release 2.2.17, 26th July 2016**

- Fixed crash that could occur when running UPDD Gestures right after

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### **Release 2.2.11, 19th April 2016**

- Fixed bug where UI could lock up after closing the pressure calibration window
- Updated to latest version of v6 UPDD API

### **Release 2.2.10, 12th April 2016**

- Fixed bug in v6 version where connection to the UPDD was not created in the application's main thread
- Updated to latest version of v6 UPDD API
- v6 app disables UPDD mouse emulation while running

### **Release 2.2.9, 11th April 2016**

- Updated to latest version of v6 UPDD API
- Fixed bug in v6 version where the associated monitor for a UPDD device would be determined incorrectly
- Fixed bug in v6 where click and drag actions could cause the cursor to move to the upper left corner of the screen
- Loading profiles works in UPDD v6
- "Pass through touches to iOS simulator" is no longer enabled by default (in order to help responsiveness in OS X 10.11)

### **Release 2.2.8, 30th March 2016**

- Updated to work with UPDD version 6.0
- Launches and displays in the system tray / menu bar before connecting to the UPDD. A '!' displayed over the icon indicates there is no connection.

### **Release 2.2.7, 6th January 2016**

- (OS X only) Fixed "IOHIDEventCreateWithBytes: Failed to create event..." message that gets printed to the system console
- (OS X only) Using non-deprecated threading API for OS X event filtering, hopefully fixes a crash at exit after changing UPDD Gestures'

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- (OS X only) The 'Disable multi-touch gestures' setting will hide all multitouch gestures in the settings window
- (OS X only) Fixed bug where menu bar icon would be invisible when the OS X setting 'automatically hide and show the menu bar' is enabled
- (OS X only) Showing the Notification Center with a two finger swipe from the edge of the screen no longer nullifies two finger drag gestures

### **Release 2.2.0, 22nd September 2015**

- (OS X only) Added option to 'Click and drag' action for including touch movement that occurs before a drag gesture is detected
- (OS X only) Added menu for selecting profiles, which can be located in ~/Library/Application Support/UPDD or /Library/Application Support/UPDD
- Changed 'Import Settings' and 'Export Settings' menu items to 'Save Profile' and 'Load Profile From File'
- (OS X only) Added 'Interface' menu for determining if UPDD Gestures will produce system-wide action in response to gestures and whether gestures are posted as OS X touch events or just to the UPDD API

### **Release 2.1.5, 21st September 2015**

- (OS X only) Reverted to using Qt 5.3.2 in order to support OS X 10.6

### **Release 2.1.4, 30th August 2015**

- (OS X only) Added hidden settings named TEAPOnly and APOnly that respectively disables gesture actions and disables both gesture actions and OS X touch events (toggle using tbutils, e.g. tbutils nodevice setting dw APOnly 1)
- (Windows and Linux only) System tray icon's outline is now filled in white so that it will be visible on dark backgrounds

### **Release 2.1.3, 25th August 2015**

- Added a button to the settings window that calibrates pressure for pressure-enabled devices, including tablets
- (OS X only) For pressure-enabled touch devices, added a setting for

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cursor is shown when it is reset, rather than when the mouse is next moved

- Updated for UPDD 5.01.1395
- Now requires UPDD 5.01.1395 or later
- Now using Qt 5.5.0
- Fixed bug that could cause Gestures to occasionally crash

### **Release 2.0.65, 7th July 2015**

- Added pressure-sensitive "force" gestures: force press and force drag
- Added gesture action: move mouse cursor
- Added settings for resetting the mouse cursor back to its original position after a gesture is completed
- Fixed a bug where the OS X keyboard viewer will no longer open when invoked

### **Release 2.0.64, 10th June 2015**

- Fixed bug where the "Moved zoom screen" action could cause the cursor to become locked in a corner of the screen
- Boosted the speed of zooming out the screen a little bit to improve the feel of screen zooming
- Pop-up menu buttons in the settings window no longer respond to the scroll wheel or scroll gestures

### **Release 2.0.63, 26th May 2015**

- Fixed menu bar icon in Yosemite when menu bar is set to dark
- Single finger gestures and mouse actions are suppressed if they start in a UPDD toolbar

### **Release 2.0.62, 7th April 2015**

- Fixed bug where the press visualisation would cause the current desktop to change
- Fixed bug where the press visualisation would only appear one

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### **Release 2.0.55, 17th February 2015**

- Improved compatibility with tablet devices. Supports pens in delta mode.
- Requires UPDD 05.01.1268 or later

### **Release 2.0.54, 17th February 2015**

- Fixed crash when touches occur while UPDD Gestures is still starting up

### **Release 2.0.53, 16th February 2015**

- Updated to work with UPDD 05.01.1264 and later
- Added check to make sure the current installed version of the UPDD is compatible

### **Release 2.0.52, 27th January 2015**

- Fixed issue with memory corruption that could cause UPDD Gestures to crash at arbitrary times, though especially when using Press gestures with Press wait time set to a very small duration
- The settings window will update when importing settings

### **Release 2.0.51, 26th January 2015**

- Fixed crash when toggling the OS X Keyboard Viewer when it is not available in the system Input menu
- Fixed bug where the OS X Keyboard Viewer may not be invocable or may arbitrarily reappear when it is not available in the system Input menu
- Press wait time and Drag threshold can now go as low as zero

### **Release 2.0.50, 11th January 2015**

- Added gesture for swiping left or right from the screen edge with one finger
- Added action for toggling the keyboard viewer
- Added Help button to Settings window (NB: only visible if UPDD

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- Fixed bug where scrolling horizontally to navigate through page history in Safari wouldn't work in OS X 10.9 and 10.10
- Can now hold the control key and use pinch/expand and two finger drag gestures to zoom and pan the screen respectively
- Zoom, rotate, and scroll actions have option for not repositioning the mouse cursor to where the gesture occurred on screen

### **Release 2.0.46, 16th December 2014**

- Added sensitivity slider for all of the Squeeze and Splay gestures

### **Release 2.0.45, 15th December 2014**

- Fixed crash that can occur when the display a UPDD device is configured to handle isn't connected
- Fixed accessibility dialog that can open the first time the scroll action is triggered
- Added a crash guard process that automatically restarts UPDD Gestures if it crashes in order to prevent touches from becoming unresponsive

### **Release 2.0.44, 1st October 2014**

- Added action for zooming and panning the screen
- Added action for double click
- Split squeeze and splay into two separate gestures depending on if four or five fingers are used
- Four finger squeeze and splay and four finger drags now default to zooming and panning the screen respectively
- Fixed bug where warnings about Accessibility being disabled would appear at inappropriate times
- UPDD Gestures will cleanly terminate when sent SIGQUIT, SIGINT, or SIGTERM Unix signals

### **Release 2.0.43, 22nd September 2014**

- Fixed cursor behavior when using screen zoom; cursor should no

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- When opening settings, change history, or log, windows should now consistently be frontmost

### **Release 2.0.26, 10th February 2014**

- Canceling a "Swipe between full screen apps" or "Launchpad / Show Desktop" action by reversing or stopping the gesture will no longer cause the gesture to complete
- Dismissing the notification center with a swipe gesture will no longer cause the swipe's normal action to be performed afterwards
- Notification Center will now consistently appear on the correct monitor in OS X 10.9
- Fixed a bug where on rare occasions moving back and forward in Safari by scrolling could cause the page to get stuck mid transition
- Additional minor bug fixes that Improve the compatibility of system level touch events in OS X 10.7-10.9

### **Release 2.0.25, 8th January 2014**

- Moving back and forward in Safari by scrolling with one finger drags will no longer cause page to get stuck mid transition
- Fixed bug where applying settings could ask for administrator password unnecessarily
- Now built using Qt 5.2.0

### **Release 2.0.24, 2nd December 2013**

- Gestures now works with tablet devices. Stylus erasers and pressure is now supported.
- Changed name of setting to "Touches on non-tablet devices simulate tablet input" as it has no effect on real tablets.
- The check boxes for login item settings behave in a more intuitive manner.

### **Release 2.0.23, 18th November 2013**

- Added option to make Gestures a global login item for all current and

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- Fixed bug where Gestures could crash after installing UPDD
- Fixed bug where scroll action may scroll wrong screen element
- Fixed "Start at login" option

### **Release 2.0.1, 27th December 2012**

- Added Gesture Log window
- Ensures mouse emulation remains disabled while running

### **Release 2.0.0, 24th December 2012**

- Now a self-contained application
- Added Settings window, allowing Gestures to be configurable using a GUI

Touch-Base Support

<http://support.touch-base.com/Documentation/50428/Gestures>