

Quick Reference Guide for TouchStream ST/LP

Mouse



Point - Touch & slide any two adjacent fingers



Click - Lightly tap any two adjacent fingers



Double Click - Tap three adjacent fingertips



Right Click - Tap thumb, middle, & ring fingers



Drag/Select - Touch & roll or slide three fingers



Scroll - Touch & slide/roll four fingers up/down



Zoom In/Out - Touch & expand/contract thumb & four fingers

Text Cursor (left hand except for Tab/BkTab)



Arrows - Touch & slide two fingers



Text Select - Three fingers, touch & slide up/down or left/right



Home/End - Four fingers, touch & slide left/right



PgUp/PgDn - Four fingers, touch & slide up/down



Tab/BkTab - Thumb and finger touch & slide right/left --be quick for single tab

Internet Browsing - Use fingers shown.



Back/Forward - Touch & slide left/right thumb & three fingers. Keep thumb away from fingers.



Refresh/Replace - Touch thumb & 3 fingers and slide down.

File Operations - Use fingers shown.



Open - Touch & rotate CCW thumb & three fingers



Close - Touch & rotate CW thumb & three fingers



Save - Touch & contract thumb & three fingers



New - Touch & expand thumb & three fingers

Editing



Enter - Spread then tap thumb & pinky finger



Cut - Touch & pinch thumb & middle finger



Copy - Tap thumb & middle finger



Paste - Touch & expand thumb & middle finger



Undo/Redo - Touch & slide up/down thumb & middle finger, quick for single step



Find - Touch & pinch thumb, middle, & ring finger



Group or Search Again - Touch & rotate thumb, middle & ring fingers

Application Control

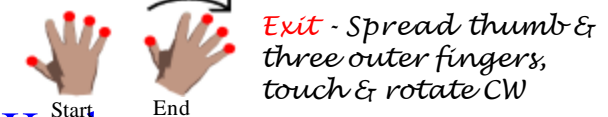
Spread thumb and fingers - start with fingers near edges.



Open Desktop - Spread thumb & three outer fingers, touch & rotate CCW



Switch - Spread thumb & three outer fingers, slide left/right, be quick for next/prev only



Exit - Spread thumb & three outer fingers, touch & rotate CW

Additional Application Gesture Sets (Left Hand)

Configuration Gesture



Touch all four corners simultaneously and hold for 1 second. Use this Gesture followed by the appropriate capitalized letter to enable the Gesture Sets below. In Mac mode, *Open Apple/Command* replaces *Ctrl*. In Unix/BeOS mode, *Alt* replaces *Ctrl*.

Text Formatting (Config Gesture then <shift>F)

 Ctrl + T	 Ctrl + 1	 Justify Ctrl + J	 Bold Ctrl + B	 Select All Ctrl + A	
 Align Left Ctrl + L	 Insert Link Ctrl + K	 Maya Hotbox (Holds Spacebar)	 Underline Ctrl + U	 Italics Ctrl + I	 Align Right Ctrl + R
	 Font Dialog Ctrl + D	 Center Ctrl + E	 Ctrl + 2	 Ctrl + M	

PhotoShop Gestures (Config Gesture then <shift> Z)

 Ctrl + W	 Zoom Window Ctrl + 0	 Magnify Ctrl + Space + Click
 Send Back Ctrl + [Zoom 100% Ctrl + Alt + 0	 Bring Forward Ctrl +]
 De-Magnify Alt + Space + Click	 Ctrl + M	

Maya Gestures (Config Gesture then <shift> Y)

 Zoom In Ctrl + '+'	 Maya Pan Alt + Middle Drag
 Zoom Out Ctrl + '-'	 Maya Orbit Alt + Left Drag
 Space Drag Drag + Space bar (Spread)	 Maya Zoom/Rotate

Desktop/Tool Selection Gestures (Config Gesture then <shift> D)













 Meta + F10	 Meta + =	 Meta + F11	 Ctrl + M
 Prev Desktop Shift+Ctrl+Tab	 Meta + F7	 Meta + F8	 Meta + F9
 Meta + F4	 Meta + F5	 Meta + F6	 Next Desktop Ctrl + Tab
 Meta + F1	 Meta + F2	 Meta + F3	
 Ctrl + W	 Meta + F12	 Meta + - (minus)	

Third Mouse Button Gestures













 Middle Click/Drag -- Enabled in Linux/Unix Mode and 3-Button Mode-- Keep thumb 2 inches from fingertips.	 Right Click/Drag -- Must spread hand to right click in Linux/Unix or 3-Button Mode.	 Pengrip for Middle Click/Drag -- Thumb + Index Fingertip + Middle/Ring/Pinky knuckles curled under. Always Enabled. Use with symbolic/handwriting gesture programs like Sensiva.
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TouchStream Programmers' Gestures, Emacs Mode & Modifier Chords (v 1.18)

Programmers' Tools & Emacs Mode (Config Gesture then <shift> P or 7)

 Paste (Ctrl V) Emacs Execute Alt X	 Complete Prev Ctrl <	 Emacs Shell Cmd Alt Shift 1	 Ctrl + Arrows
 Delete Word Ctrl BkSpC	 Ctrl C	 Complete Line Ctrl Shift SpC	 Ctrl + Shift + Arrows
 Goto Line Emacs Indent Ctrl J	 Complete Next Ctrl >	 Cut Emacs Prefix Ctrl X	 Ctrl + PgUp/PgDn or Home/End

Emacs Mode (Config Gesture then 7, also install touchstream.el script)

 UnComment Region Ctrl U Ctrl ;	 Prev Compile Error Alt - Ctrl X `	 Check In/Out Ctrl X Ctrl Q	 Escape Tap
 Keyboard Quit Ctrl G	 Universal Argument Ctrl U	 Set Mark Ctrl Space	 Transpose Ctrl B (horizontal) Alt B (vertical)
 CVS Diff Ctrl X V =	 Next Compile Error Ctrl X `	 Comment Region Ctrl ;	 Scroll other Windows Alt + PgUp/PgDn or Home/End

Basic Modifier Chords (Config Gesture then c)



Modifier Chords
Shift, Ctrl/Cmd

Modifier chords use the same timing as regular modifier keys. Hold down all 4 fingertips (without thumb!), type keys/gestures to be modified with opposite hand, and lift all when done.


Enhanced Modifier Chords (Config Gesture then <shift>C for US-style, <ctrl>C for International)


Zone chords use four fingertips *above*, *below*, or *on* the Home Row keys of either hand. NOTE: *With Zone Chords, Shift can no longer be activated by dropping anywhere.*

The two chords below are performed by dropping the thumb + 3 fingertips simultaneously, with the hand either relaxed or spread, anywhere on the surface.

Above Home Row		Ctrl (US) Cmd (US Mac) AltGr (International)
Home Row		Shift
Below Home Row		Left Alt (US) Shift AltGr (Internat.)

	AltGr (US) Ctrl (International) Cmd (International Mac)
	Win (US Windows) Meta (US Linux/Emacs) Ctrl (US Mac) LeftAlt (International)

	Enter/Esc -Tap 3F of both hands: <i>Above home for Escape,</i> <i>On home row for Enter.</i>
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	CapsWord -Tap 4F of both hands <i>above</i> home row. Turns CapsLock <i>on</i> while next word is typed, <i>off</i> when Space or punctuation typed.
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Programmers' Pad (Config Gesture then <shift> U)





To use the Programmers' Pad, press the right-half key with the desired lower-right corner punctuation symbol while holding the **AltGr chord** with your left hand (so Enhanced Modifier Chords above must be enabled). When the Programmers' Pad is enabled, the **AltGr chord** will not activate accent symbols for European key layouts.



Game Mode Gesture Guide (ver 1.18)

Configuring for Game Mode



- ⚡ The *config gesture*  lets you customize your unit by holding fingers in all four corners for 1 second. (Always do this in a text window to see resulting messages).
- ⚡ Before using game mode the first time, you must , then press <Shift>G or Pause.
- ⚡ Pinky key/button actions can be toggled off/on by , then touching *Period* (.) key.
- ⚡ PageDown inverted action can be toggled off/on by , then *Comma* (,) key.
- ⚡ Both thumb and index triggers are always available--just use one base pointing chord or the other

Activating and Deactivating Game Mode



Activate Left Hand Game Gestures

To activate game mode on a surface, press your palm heels on the center of the surface and slide them forward. On the ST, each surface enables individually, so repeat this separately with each hand. The normal gesture set will be disabled and replaced with the game gestures shown below. Keys will be more responsive than normal but will not activate if more than one finger touches a surface half. **To restore normal operation, you must remember to reverse these gestures, pulling both palm heels toward you!**



Activate Right Hand Game Gestures

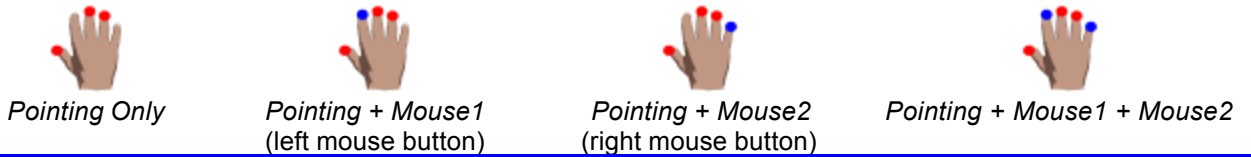
Point and Fire

Allows simultaneous control of the mouse pointer and pressing of fire buttons.

Thumb Trigger



Index Trigger



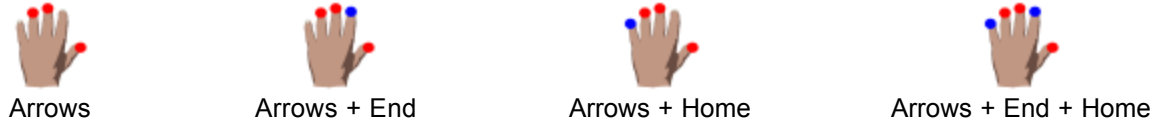
Arrow Navigation (left half of ST/LP)

Holds arrow keys in response to sliding in particular directions, somewhat like a joystick, while pressing additional keys.

Thumb Trigger



Index Trigger



Thumb Trigger

(When PgDn Enabled)



Additional Key Click and Button Click Gestures

