



Touch Gesture REFERENCE CARDS

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INSTRUCTIONS

Step 1:

On card stock, print pages 2 through 12 of this document. These pages are the front sides of the Touch Gesture Reference Cards.

Step 2:

Without rearranging the pages, place the stack of printouts back into your printer such that the backs of the cards can be printed on the blank sides of the printouts. For many desktop printers, this means placing the pages blank-side down and oriented such that the page numbers on the printed sides are located to the upper right. Requirements for your particular printer may vary.

Step 3:

Print pages 13 through 23 of this document. These pages are the back sides of the cards. If you wish to print out some suits within the deck but not others, please refer to the table below for which front side pages match which back side pages.

Suit	Front Sides	Back Sides
Core Gestures	Pages 2–3	Page 22–23
Major User Actions: Basic Actions	3	22
Major User Actions: Object-Related Actions	4–6	19–21
Major User Actions: Navigating Actions	6–8	17–19
Major User Actions: Drawing Actions	8–9	16–17
Platform Support: Apple iOS Gestures	9–10	15–16
Platform Support: Android Gestures	10–11	14–15
Platform Support: Windows Phone 7 Gestures	11–12	13–14

Step 4:

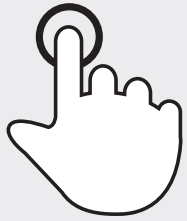
Cut out the individual cards, following the gray dashed lines on the back side pages. On cards that have them, remember to cut around the rounded or beveled corners (this pertains to all cards except for those in the Core Gestures suit).

Supporting materials for this guide can be found online at: <http://www.lukew.com/touch/>

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To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Tap

Briefly touch surface with fingertip.



CORE GESTURES

Double Tap

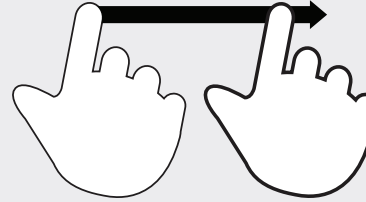
Rapidly touch surface twice with fingertip.



CORE GESTURES

Drag

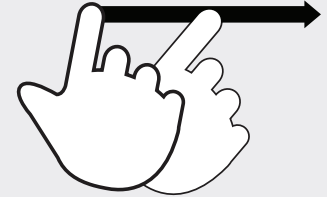
Move fingertip over surface without losing contact.



CORE GESTURES

Flick

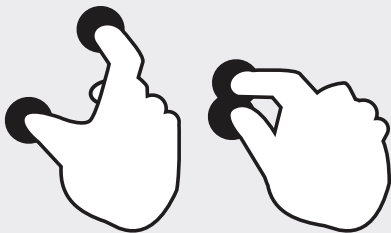
Quickly brush surface with fingertip.



CORE GESTURES

Pinch

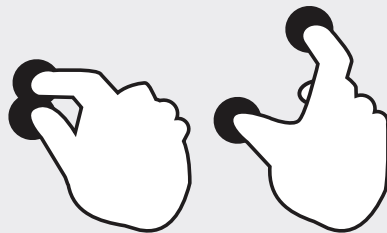
Touch surface with two fingers and bring them closer together.



CORE GESTURES

Spread

Touch surface with two fingers and move them apart.



CORE GESTURES

Press

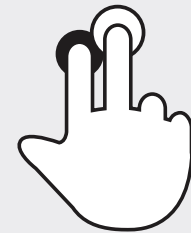
Touch surface for extended period of time.



CORE GESTURES

Press+Tap

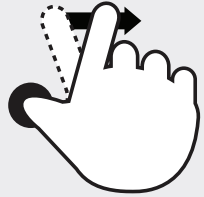
Press surface with one finger and briefly touch surface with second finger.



CORE GESTURES

Press+ Drag ●○

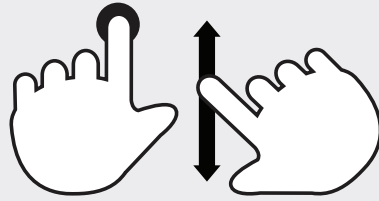
Press surface with one finger and move second finger over surface without losing contact.



CORE GESTURES

Press+ Drag ○●

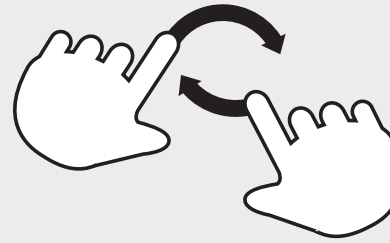
Press surface with one finger and move second finger over surface without losing contact.



CORE GESTURES

Rotate ●○○

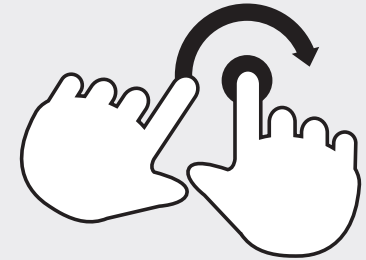
Touch surface with two fingers and move them in a clockwise or counterclockwise direction.



CORE GESTURES

Rotate ○●○

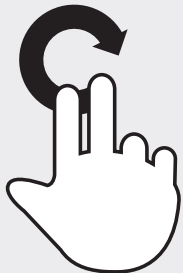
Touch surface with two fingers and move one finger in a clockwise or counterclockwise direction.



CORE GESTURES

Rotate ○○○

Touch surface with two fingers and move them in a clockwise or counterclockwise direction.

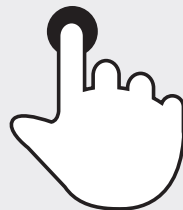


CORE GESTURES

Change mode

Press

Touch surface for extended period of time.



MAJOR USER ACTIONS:
BASIC ACTIONS

Open

Double Tap

Rapidly touch surface twice with fingertip.

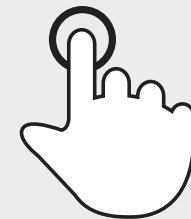


MAJOR USER ACTIONS:
BASIC ACTIONS

Select

Tap

Briefly touch surface with fingertip.

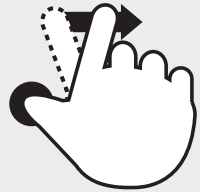


MAJOR USER ACTIONS:
BASIC ACTIONS

Adjust ●○○○

Press + drag ●○

Press surface with one finger and move second finger over surface without losing contact.

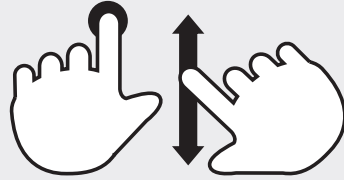


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Adjust ○●○○

Press + drag ○●

Press surface with one finger and move second finger over surface without losing contact.

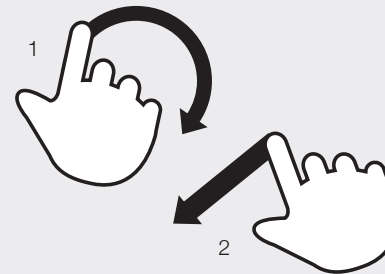


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Adjust ○○○●

Lasso + cross

Make circular motion with finger, then cross over selected object.

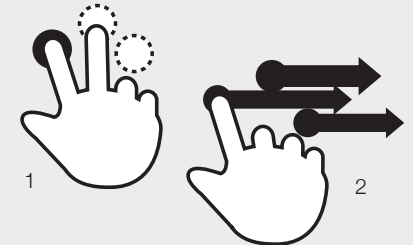


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Bundle

Press + tap, then drag

Touch first object while second finger taps other objects, then move selected objects by dragging first finger.

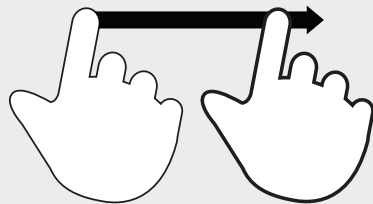


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Delete

Drag (across item or off-screen)

Move fingertip over surface without losing contact.

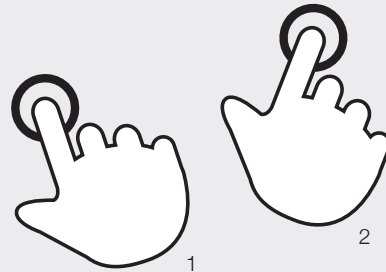


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Duplicate

Tap (source + destination)

Touch object, then touch elsewhere on surface.

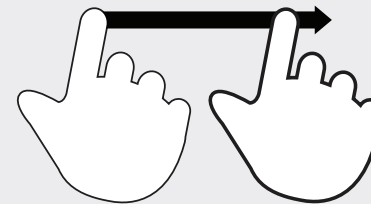


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Move ●○○○

Drag + drop

Move fingertip over surface without losing contact.

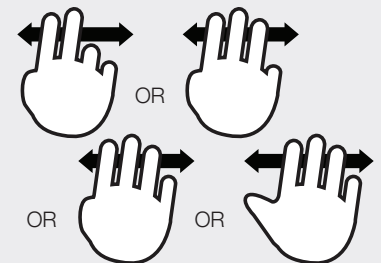


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Move ○●○○

Multi-finger drag

Move two to five fingertips over surface without losing contact.

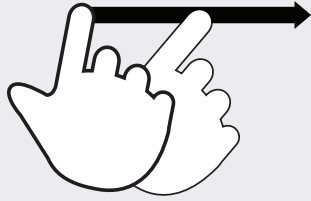


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Move ○ ○ ● ○

Flick

Quickly brush surface with fingertip.

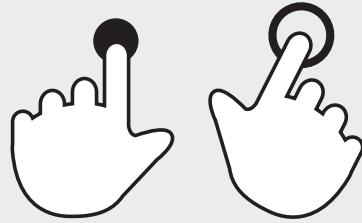


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Move ○ ○ ○ ●

Press + tap

With one finger on object, touch elsewhere on surface with second finger.

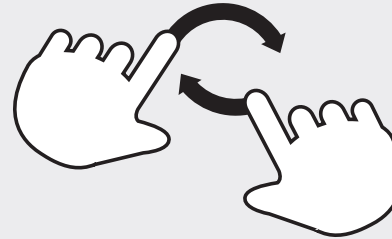


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Rotate ● ○ ○ ○

Two-handed rotate ● ○ ○

Touch surface with two fingers and move them in a clockwise or counterclockwise direction.

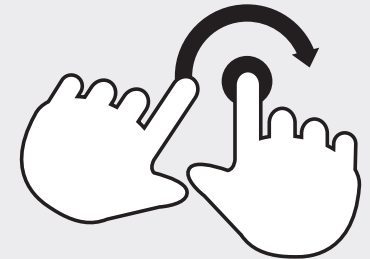


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Rotate ○ ● ○ ○

Two-handed rotate ○ ● ○

Touch surface with two fingers and move one finger in a clockwise or counterclockwise direction.

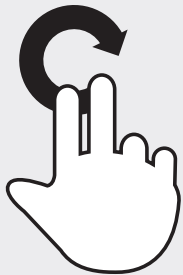


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Rotate ○ ○ ○ ●

One-handed rotate

Touch surface with two fingers and move them in a clockwise or counterclockwise direction.

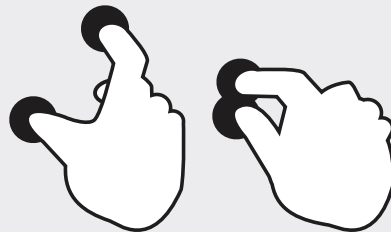


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Scale down ● ○ ○ ○

Pinch

Touch surface with two fingers and bring them closer together.

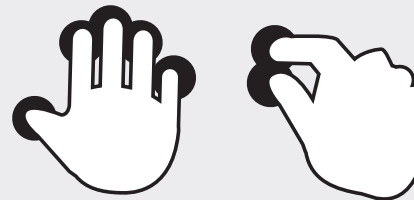


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Scale down ○ ● ○ ○

Squeeze

Touch surface with five fingers and bring them closer together.

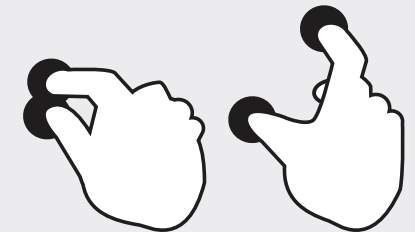


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Scale up ○ ● ○ ○

Spread

Touch surface with two fingers and move them apart.

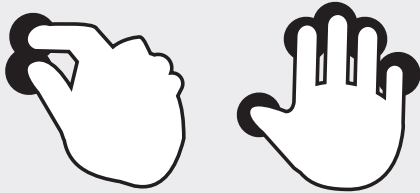


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Scale up ○●

Splay

Touch surface with five fingers and move them apart.

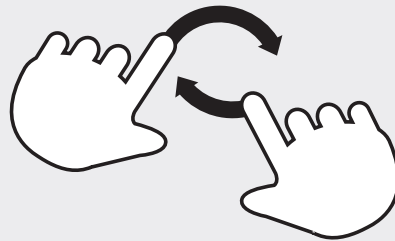


MAJOR USER ACTIONS:
OBJECT-RELATED ACTIONS

Adjust view (rotate) ●○○

Two-handed rotate ●○

Touch surface with two fingers and move them in a clockwise or counterclockwise direction.

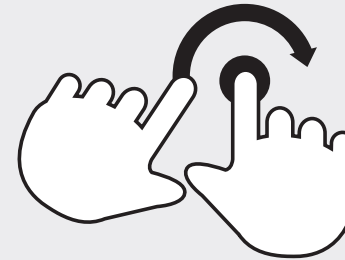


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Adjust view (rotate) ○●○

Two-handed rotate ○●

Touch surface with two fingers and move one finger in a clockwise or counterclockwise direction.

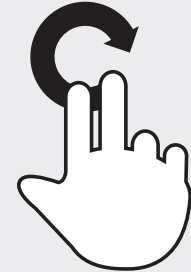


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Adjust view (rotate) ○○○●

One-handed rotate

Touch surface with two fingers and move them in a clockwise or counterclockwise direction.

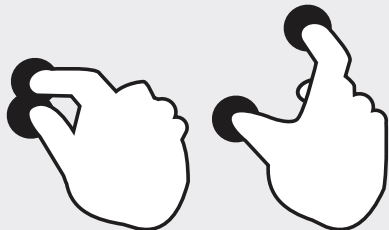


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Adjust view (zoom in) ●○

Spread

Touch surface with two fingers and move them apart.



MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Adjust view (zoom in) ○●

Double tap

Rapidly touch surface twice with fingertip.

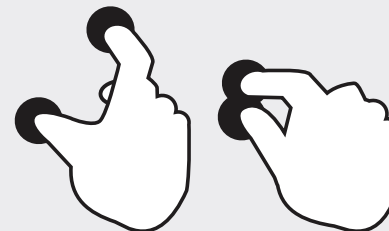


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Adjust view (zoom out) ●○

Pinch

Touch surface with two fingers and bring them closer together.

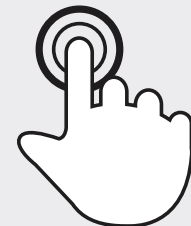


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Adjust view (zoom out) ○●

Double tap

Rapidly touch surface twice with fingertip.

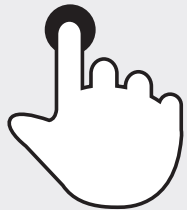


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Display commands ●○○○

Press

Touch surface for extended period of time.

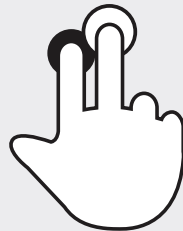


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Display commands ○●○○

Press + tap

Press surface with one finger and briefly touch surface with second finger.



MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Display commands ○○●○

Double tap

Rapidly touch surface twice with fingertip.

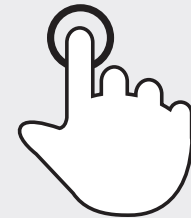


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Display commands ○○○●

Corner tap

Touch specific corner of surface with fingertip.

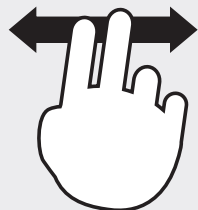


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Move through list ●○○○

Two-finger drag

Move to previous/next item in list.

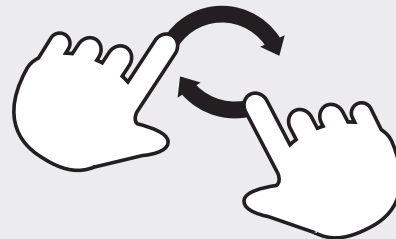


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Move through list ○●○○

Two-handed rotate

Touch surface with two fingers and move them in a clockwise or counterclockwise direction.

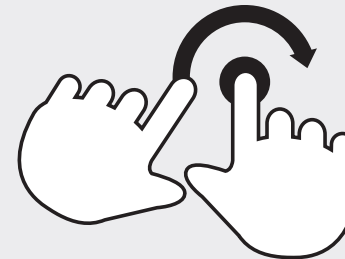


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Move through list ○○●○

Two-handed rotate

Touch surface with two fingers and move one finger in a clockwise or counterclockwise direction.



MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Move through list ○○○●

One-handed rotate

Touch surface with two fingers and move them in a clockwise or counterclockwise direction.

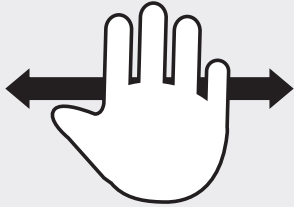


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Pan

Drag hand

Move fingers and palm of one hand over surface without losing contact.

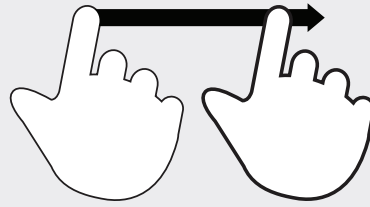


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Scroll •○○

Drag

Move fingertip over scrollbar without losing contact.

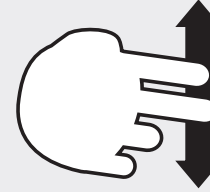


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Scroll ○●○

Two-finger drag

Move two fingers up or down across surface.

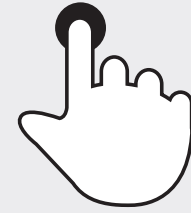


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Scroll ○○○●

Press

Touch scrollbar for extended period of time.

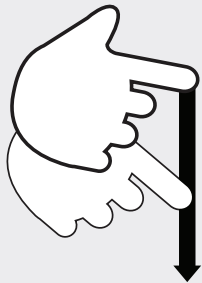


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Scroll fast

Flick

Quickly brush surface with fingertip in the direction you want to scroll.

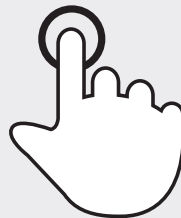


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Stop scrolling

Tap

Briefly touch surface with fingertip when a scroll is in progress.

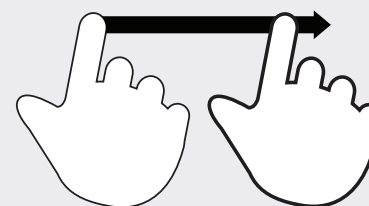


MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Scrub

Drag

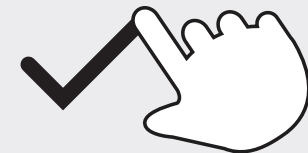
Move fingertip over scrollbar without losing contact.



MAJOR USER ACTIONS:
NAVIGATING ACTIONS

Accept

Draw a check mark on surface with fingertip.



MAJOR USER ACTIONS:
DRAWING ACTIONS

Cut

Draw a slash on surface with fingertip.



MAJOR USER ACTIONS:
DRAWING ACTIONS

Get help

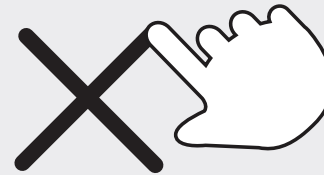
Draw a question mark on surface with fingertip.



MAJOR USER ACTIONS:
DRAWING ACTIONS

Reject

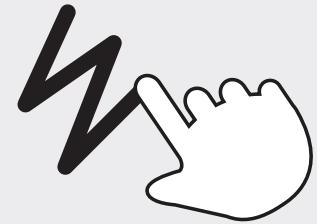
Draw an "X" on surface with fingertip.



MAJOR USER ACTIONS:
DRAWING ACTIONS

Undo

Scratch out area on surface with fingertip.

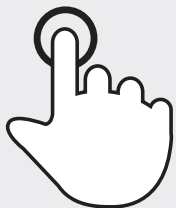


MAJOR USER ACTIONS:
DRAWING ACTIONS

Tap

Core gesture: Tap

A user gesture used to press or select a control or link (analogous to a single click in a desktop application). To tap, users make a quick up-and-down motion with a finger, lightly striking the screen.



PLATFORM SUPPORT:
APPLE iOS GESTURES

Double tap

Core gesture: Double tap

A user gesture used to zoom in or out of content or an image. A double tap consists of two quick taps.

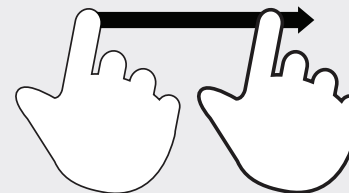


PLATFORM SUPPORT:
APPLE iOS GESTURES

Flick

Core gesture: Flick

A user gesture used to scroll or pan quickly. To flick, users place a finger on the screen and quickly swipe it in the desired direction.

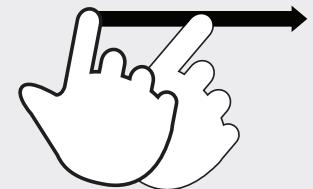


PLATFORM SUPPORT:
APPLE iOS GESTURES

Drag

Core gesture: Drag

A user gesture used to scroll, move the viewport, or pan. To drag, users place a finger on the screen and move it in the desired direction without lifting it from the screen.

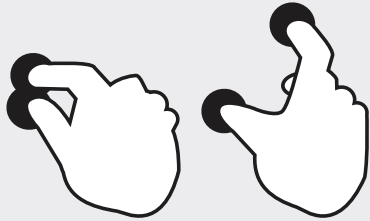


PLATFORM SUPPORT:
APPLE iOS GESTURES

Pinch open

Core gesture: Spread

A two-finger user gesture used to zoom in. To pinch open, users place the thumb and a finger (or two fingers) close together on the screen and move them apart without lifting them from the screen.

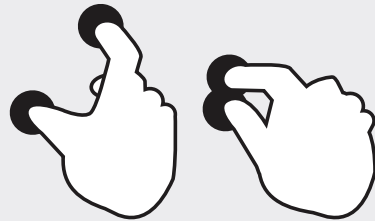


PLATFORM SUPPORT:
APPLE iOS GESTURES

Pinch close

Core gesture: Pinch

A two-finger user gesture used to zoom out. To pinch close, users place the thumb and a finger (or two fingers) a little distance apart on the screen and move them toward each other without lifting them from the screen.



PLATFORM SUPPORT:
APPLE iOS GESTURES

Touch + hold

Core gesture: Press

A user gesture used to display an information bubble, magnify content under the finger, or to perform specifications in built-in applications and features. To touch and hold, users touch the screen, leaving their finger motionless until the information is displayed or the action occurs.

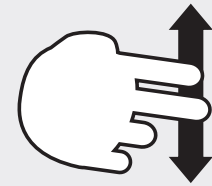


PLATFORM SUPPORT:
APPLE iOS GESTURES

Two-finger scroll

Core gesture: Drag (two-finger)

A user gesture used to scroll content in an element with overflow capability or a scrollable in-line frame element. A two-finger scroll is a drag performed with two fingers moving together in the same direction.

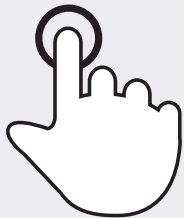


PLATFORM SUPPORT:
APPLE iOS GESTURES

Tap

Core gesture: Tap

No description provided.



PLATFORM SUPPORT:
ANDROID GESTURES

Double tap

Core gesture: Double tap

No description provided.

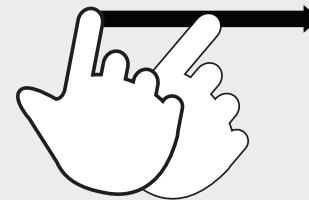


PLATFORM SUPPORT:
ANDROID GESTURES

Flick

Core gesture: Flick

No description provided.

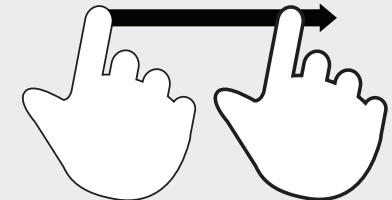


PLATFORM SUPPORT:
ANDROID GESTURES

Drag

Core gesture: Drag

No description provided.

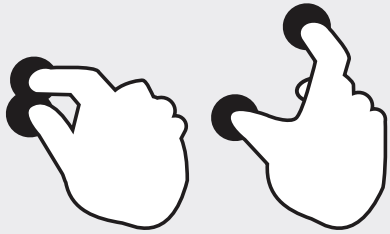


PLATFORM SUPPORT:
ANDROID GESTURES

Pinch

Core gesture: Spread

No description provided.

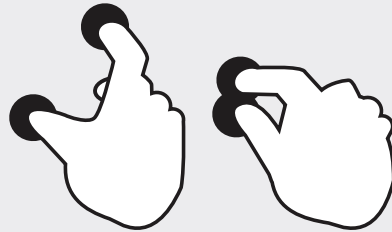


PLATFORM SUPPORT:
ANDROID GESTURES

Pinch

Core gesture: Pinch

No description provided.



PLATFORM SUPPORT:
ANDROID GESTURES

Touch + hold

Core gesture: Press

No description provided.

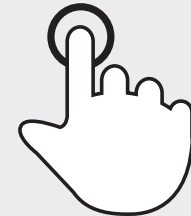


PLATFORM SUPPORT:
ANDROID GESTURES

Tap

Core gesture: Tap

Actions on an item in a two step process. Stop a list from scrolling. Single touch on the screen.

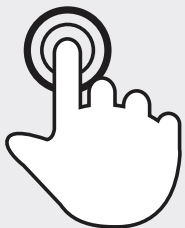


PLATFORM SUPPORT:
WINDOWS PHONE 7

Double tap

Core gesture: Double tap

Toggle between "in" and "out" zoom states of a control or application.

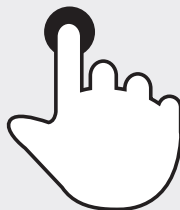


PLATFORM SUPPORT:
WINDOWS PHONE 7

Touch + hold

Core gesture: Press

Shows options (context menu) for an item.

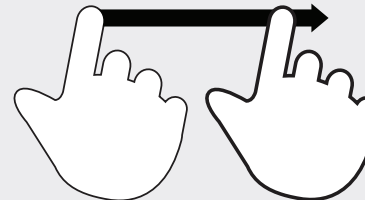


PLATFORM SUPPORT:
WINDOWS PHONE 7

Pan

Core gesture: Drag

Moves content via direct manipulation (content sticks to finger and follows). A pan can reorder or move a specific item.

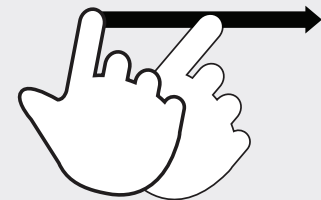


PLATFORM SUPPORT:
WINDOWS PHONE 7

Flick

Core gesture: Flick

Moves content.

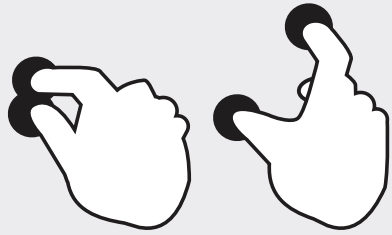


PLATFORM SUPPORT:
WINDOWS PHONE 7

Pinch

Core gesture: Spread

Continuous zoom.

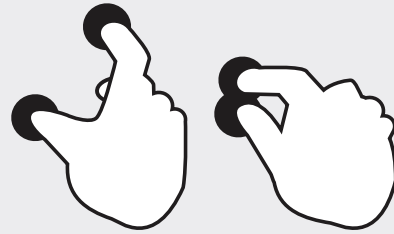


**PLATFORM SUPPORT:
WINDOWS PHONE 7**

Pinch

Core gesture: Pinch

Continuous zoom.



**PLATFORM SUPPORT:
WINDOWS PHONE 7**

PLATFORM SUPPORT:

**WINDOWS
PHONE 7
GESTURES**



PLATFORM SUPPORT:

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PHONE 7
GESTURES**



PLATFORM SUPPORT:

WINDOWS PHONE 7 GESTURES

PLATFORM SUPPORT:

ANDROID GESTURES

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PLATFORM SUPPORT:

WINDOWS PHONE 7 GESTURES

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PLATFORM SUPPORT:

APPLE iOS GESTURES

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PLATFORM SUPPORT:

ANDROID GESTURES

MAJOR USER ACTIONS:

**DRAWING
ACTIONS**



MAJOR USER ACTIONS:

**DRAWING
ACTIONS**



MAJOR USER ACTIONS:

**DRAWING
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MAJOR USER ACTIONS:

**DRAWING
ACTIONS**



PLATFORM SUPPORT:

**APPLE iOS
GESTURES**



PLATFORM SUPPORT:

**APPLE iOS
GESTURES**



PLATFORM SUPPORT:

**APPLE iOS
GESTURES**



PLATFORM SUPPORT:

**APPLE iOS
GESTURES**



MAJOR USER ACTIONS:

**NAVIGATING
ACTIONS**



MAJOR USER ACTIONS:

**NAVIGATING
ACTIONS**



MAJOR USER ACTIONS:

**NAVIGATING
ACTIONS**



MAJOR USER ACTIONS:

**NAVIGATING
ACTIONS**



MAJOR USER ACTIONS:

**DRAWING
ACTIONS**



MAJOR USER ACTIONS:

**NAVIGATING
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MAJOR USER ACTIONS:

**NAVIGATING
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MAJOR USER ACTIONS:

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MAJOR USER ACTIONS:

**OBJECT-RELATED
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**NAVIGATING
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OBJECT-RELATED
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CORE GESTURES

CORE GESTURES

CORE GESTURES

CORE GESTURES



MAJOR USER ACTIONS:

MAJOR USER ACTIONS:

MAJOR USER ACTIONS:

CORE GESTURES

**BASIC
ACTIONS**

**BASIC
ACTIONS**

**BASIC
ACTIONS**



CORE GESTURES

CORE GESTURES

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