

# Change Log

## Version 1.5.8

Added CameraOrbitCenterMove demo scene to LeanTouch+.  
Added more debug messages when unexpected things happen.  
Fixed LeanSelectable.GetFingers with requiredSelectable and requiredFingerCount.  
Added FPS demo scene to LeanTouch+.  
Added rotation resetting to DragTurn2D.

## Version 1.5.7

Tightened up default LeanTouch.TapThreshold & SwipeThreshold values.  
Added Start\_\_ methods to LeanGesture.  
Renamed CardDiscardUI demo scene to CanvasDiscardCards.  
Fixed LeanRotate on UI elements with a rotated camera.  
Fixed LeanTranslateSmooth implementation.  
Added LeanRotateSmooth component to LeanTouch+.

## Version 1.5.6

Fixed LeanMultiPinch when using just mouse wheel.  
Implemented PhysicsRaycast in LeanScreenDepth.  
Implemented LeanPath in LeanScreenDepth.  
Replaced LeanSelectablePlace\_\_ components with unified LeanTranslateAlong.

## Version 1.5.5

Fixed DPI scaling code.  
Added Press3DTurnDial demo scene to LeanTouch+.

## Version 1.5.4

Added LeanSelectable.GetFingersOrClear method for press selectable components.  
Added CanvasSwipeEdge demo scene to LeanTouch+.  
Modified LeanRotate to support press selection.  
Modified LeanScale to support press selection.  
Renamed Press2DTranslate demo scene to Press2DTransform.  
Renamed Press3DTranslate demo scene to Press2DTransform.  
Renamed PressUITranslate demo scene to Press2DTransform.

## Version 1.5.3

Added Select3DTransformToggle demo scene to LeanTouch+.  
LeanPinchTwistMap renamed to LeanPinchTwistToggle.  
LeanPinchTwistToggle made more flexible.

## Version 1.5.2

Added Camera2DMap demo scene to LeanTouch+.  
Added TwistTurn demo scene to LeanTouch+.  
Added TapToPopUp demo scene to LeanTouch+.  
Renamed DragTurn to DragTurn2D.  
Added DragTurn1D to LeanTouch+.  
Renamed DragMove to DragMove2D.  
Added DragMove1D to LeanTouch+.  
Added CameraOrbitCenterToggle demo scene to LeanTouch+.

## Version 1.5.1

Fixed LeanFinger.StartedOverGui code.  
Fixed DragMove demo scene.

## Version 1.5.0

Updated all demo scenes for better clarity and unified functionality.  
Added SwipeAngle demo scene.  
Added TransformUI + PressUI + SelectUI demo scenes.

Added LeanScreenDepth for consistent and flexible depth calculation in all components.  
Added IgnoreStartedOverGui to all relevant components for consistency.  
Added IgnoreIsOverGui to all relevant components for consistency.  
Added RequiredSelectable to all relevant components for consistency.  
Moved LeanSelectable to example scripts and removed LeanTouch dependencies.  
Unified all transform components with UI and 2D/3D functionality.  
Moved all Smooth functionality to LeanTouch+.  
Moved all SwipeNoRelease functionality to LeanTouch+.  
Moved LeanPitchYaw to LeanTouch+.  
Moved core selection from LeanSelect to LeanSelectable to simplify implementation.

## Version 1.3.7

Fixed console error in Select demo scenes.

## Version 1.3.6

Added auto rotation settings to LeanPitchYaw.  
Added inertia settings to LeanPitchYaw.  
Improved LeanSelect code.  
Improved LeanSelectable code.  
Added Match2D demo scene to LeanTouch+.  
Added CameraOrbitInertia demo scene to LeanTouch+.

## Version 1.3.5

Improved code formatting.  
Added DragRigidbody2D demo scene to LeanTouch+.  
Added DragRigidbody3D demo scene to LeanTouch+.

## Version 1.3.4

Fixed LeanSpawner type mismatch in some scenes.

## Version 1.3.3

Modified LeanSelectableRendererColor to use all renderer materials.

## Version 1.3.2

Modified LeanSelectable SelectingFinger deselection method.  
Modified LeanSelect to allow multiple selection.  
Removed LeanMultiSelect from LeanTouch+.  
Added CanvasSelectionBox demo scene to LeanTouch+.  
Moved Rigidbody\_\_NoRelease code to LeanFingerSwipeNoRelease in LeanTouch+.

## Version 1.3.1

Added CameraOrbitDollySmoothCollision demo scene to LeanTouch+.  
Added DragYawDoor demo scene to LeanTouch+.  
Added Press2DDragRigidbody2D demo scene to LeanTouch+.  
Added Press3DDragRigidbody3D demo scene to LeanTouch+.  
Added CanvasUI support to LeanSelect.  
Prefixed all CanvasUI demo scenes with 'Canvas'.  
Fixed FingerThrowTarget demo scene.  
Improved LeanSelectable implementation.

## Version 1.3.0

Added LeanFingerDrag component.  
Added LeanSelectablePlaceOnPlaneSmooth.  
Updated Press3DPlaceOnPlane to show smoothing too.

## Version 1.2.9

Added 'Press3DPlaceOnPlaneSnap' demo scene to LeanTouch+.  
Modified LeanDragMove/Smooth to take 'Relative To' instead of 'Space'.  
Added LeanSelectablePlaceOnPlaneSmooth component.

## Version 1.2.8

Added 'SwipeSwap' demo scene to LeanTouch+.  
Added angle checks to the LeanFingerSwipe component.

Added 'ScaleClamp/Min/Max' settings to LeanScale component.  
Changed 'RequiredSelectable' auto detection code.

## Version 1.2.7

Changed orbit implementation and demo scenes.  
Moved IDroppable into Lean.Touch namespace.  
Removed LeanCameraOrbit to LeanCameraTurn.  
Removed LeanCameraOrbitSmooth to LeanCameraTurnSmooth.  
Renamed LeanOrbitDolly to LeanCameraDolly.  
Renamed LeanOrbitDollySmooth to LeanCameraDollySmooth.  
Renamed LeanCameraOrbitSwipe to LeanPitchYawSwipe.  
Renamed LeanCameraOrbitSwipeSmooth to LeanPitchYawSwipeSmooth.

## Version 1.2.6

Fixed error when importing LeanTouch without the Examples directory.  
Fixed shader warnings in Unity 5.5+.  
Added 'MultiDragSelect2D' demo scene to LeanTouch+.  
Updated secret graphic in LeanTouch+.

## Version 1.2.5

Added 'Press2DDragDrop' demo scene to LeanTouch+.  
Made LeanTouch.RaycastGui more flexible.

## Version 1.2.4

Renamed many scripts and scenes to be more consistent.  
Added 'CameraPitchYawDolly' demo scene to LeanTouch+.  
Added 'DragControls' demo scene to LeanTouch+.  
Added 'DragMove' demo scene to LeanTouch+.  
Added 'CameraPitchYaw' demo scene to LeanTouch.

## Version 1.2.3

Added 'RecordFinger' demo scene to LeanTouch+.  
Added 'DragThrowTarget' demo scene to LeanTouch+.  
Added LeanDolly component.  
Improved snapshot handling code.

## Version 1.2.2

Added 'Invert' setting to LeanDragThrowIndicator.  
Added 'HeldSpawn' demo scene.  
Moved long tap/held code to LeanFingerHeld

## Version 1.2.1

Added 'Press3DPlaceOnLineSegment' demo scene to LeanTouch+.  
Added mouse offset calculation to 'LeanSelectablePlaceOnPlane'.  
Added mouse offset calculation to 'LeanSelectablePlaceOnLine'.

## Version 1.2.0

Fixed Press2DTranslateInertia for all objects.  
Fixed Press3DTranslateInertia for all objects.  
Added 'DragTurnStepSmooth' demo scene to LeanTouch+.  
Updated 'DragTurn' to support space and two axes.

## Version 1.1.9

Added mouse wheel support to most zoomable components.

## Version 1.1.8

Added LeanPanCamera component.  
Added LeanTapSelect component.  
Added LeanPressSelect component.  
Added 'PanZoomCameraSmooth2D' demo scene.  
Added 'PanZoomCameraSmooth3D' demo scene.  
Added 'PanSwipe' demo scene to LeanTouch+.  
Added 'PanSwipeSmooth' demo scene to LeanTouch+.

Added 'ReselectCount' demo scene to LeanTouch+.  
Added 'LeanConstrainToBox' component to LeanTouch+.  
Fixed 'LeanMultiTap' to increment tap count before calling OnMultiTap event.  
Fixed simulated finger visualization appearing on touch devices when releasing.  
Renamed LeanSideCamera2D to LeanZoomCamera2D.  
Renamed LeanSideCamera3D to LeanZoomCamera3D.  
Renamed 'SideCamera2D' demo scene to 'PanZoomCamera2D'  
Renamed 'SideCamera3D' demo scene to 'PanZoomCamera3D'

## Version 1.1.7

Fixed 'SwipeRigidbody3D' demo scene.

## Version 1.1.6

Fixed OnGesture not being called.  
Changed OnGesture to not pass the Fingers list directly.  
Combined LeanSelect2D and LeanSelect3D into LeanSelect.  
Added 'LeanMultiSelect' component to LeanTouch+.  
Added 'ToggleSelection' setting to LeanSelect and LeanMultiSelect.  
Added 'MultiSelect2DTransformRelative' demo scene to LeanTouch+.  
Added 'MultiSelect3DTransformRelative' demo scene to LeanTouch+.  
Added 'Select3DTransformRelativeRevert' demo scene to LeanTouch+.

## Version 1.1.5

Rewrote most of LeanTouch script to be simpler and more consistent.  
Added StartedOverGui and FingerCount filter to most scripts.  
Removed all gesture code from LeanTouch script (use LeanGesture instead)  
Removed OnFingerDrag (use OnFingerSet instead).  
Removed multi tap from LeanTouch script (use LeanMultiTap instead).

## Version 1.1.4

Rewrote 2d & 3D GameObject selection code to be more flexible.  
Rewrote drag scripts to use same components as selection.  
Added OrbitZoom and OrbitZoomSmooth demo scenes to LeanTouch+.  
Added OrbitZoomSwipeSmooth demo scene to LeanTouch+.  
Added Press3DPlaceOnLine demo scene to LeanTouch+.  
Added Press3DPlaceOnPlane demo scene to LeanTouch+.  
Fixed warnings in Unity 5.5.

## Version 1.1.3

Added 'RotateWith' setting to LeanOrbitCamera in LeanTouch+.  
Added DoubleTap demo scene to LeanTouch+.

## Version 1.1.2

Added LeanTouch.RaycastGui method.  
Added deselection to Select2D\_\_\_ & Select3D\_\_\_ demo scenes.  
Added DragLineFade demo scene to LeanTouch+.  
Added DragTrailFade demo scene to LeanTouch+.  
Added RaycastManager2D demo scene to LeanTouch+.  
Added RaycastManager3D demo scene to LeanTouch+.  
Added DragShoot demo scene to LeanTouch+.  
Changed LeanDragLine and LeanDragTrail implemenetations.  
Updated Smooth shader to not produce warnings in Unity 5.4+.

## Version 1.1.1

Improved all example scenes.  
Moved everything into the Lean.Touch namespace.

## Version 1.1.0

Replaced auto-destruction of multiple LeanTouch instances with a warning.

## Version 1.0.9

Tidied up a lot of code.  
Removed most garbage.  
Rewrote all the demo scenes to be clearer and more useful.

Fixed a few small issues.  
Separated Snapshot class.

## **Version 1.0.8**

Fixed SimpleSwipeDirection and SimpleSplitScreen script files.

## **Version 1.0.7**

Moved main build to Unity 5.  
Made it so a tap and a swipe cannot occur at the same time for each finger.  
Added the 'Simple Split Screen' demo scene.

## **Version 1.0.6**

Added the 'Simple Swipe Direction' demo scene.

## **Version 1.0.5**

Fixed an issue where not using the new UI would throw errors.

## **Version 1.0.4**

Added the ability to record finger movements via 'Record Fingers'.  
Added 'Simple Record To Lines' demo scene.  
Added multi finger tap support via LeanTouch.OnMultiTap.  
Added 'IsActive' to LeanFinger.  
Changed swipe behavior to use recorded data.

## **Version 1.0.3**

Changed 'Simple Tap' scene to include blocking UI elements.  
Added 'Simple Zoom' scene.  
Added 'Simple Orthographic Zoom' scene.

## **Version 1.0.2**

Changed Up/Set/Down behaviour to be simpler.  
Fixed 'OnPinch' from being called every frame.  
Added support for long touches (Held Threshold, LeanFinger.HeldSet, etc)  
Added 'Simple Info' demo scene.  
Added layer masks to 'Simple Drag' script.

## **Version 1.0.1**

Removed unused LeanKey.cs script.

## **Version 1.0.0**

Initial Release.