

AreaList Pro

Version 9.8.1

Release notes

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System requirements

AreaList Pro version 9.8.x is compatible with 4th Dimension v11, v12, v13, v14 and above, for both MacOS and Windows. It requires MacOS X 10.5 (Intel only, no PPC) or higher and Windows XP SP2 or better.

Known 4D bugs

The following 4D bugs may affect AreaList Pro's behavior. Please check with 4D support in case you experiment any issues:

- ACI0088693 / ACI0089219: No “keydown” works in plugin areas
 - v14 R2 & R3 MacOS and Windows
 - the result is (amongst others) that the TAB and arrow keys don't work in AreaList Pro (or any plugin area)
 - don't use R2 or R3, use the “main channel” versions or nightly builds instead
- ACI0087433: 4D freezes when opening a dialog window during update
 - do not **TRACE** or display alerts on drag and drop or event callbacks

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- Fixed implementation for ALP_Area_Scroll_Columns to correctly limit the column width (honoring locked columns, recalculation on resize and change of number of locked columns)
- Fixed updating of 4D's Edit menu in 4D v14 (workaround for bug ACI0088877)
- DisplayList:
 - when using 4D v13, OK button is moved 2 points up (is bigger than other buttons)
 - added support for developer styles ("|Dollars") and “Use period and comma as placeholders in numeric formats”
 - added “auto-snap” when only one column is displayed (the column has the width of the area)
 - **ARRAY TIME** support (4D v14)

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- Fixed Advanced Properties dialog (deleted tables are correctly handled)
- Fixed crash on Windows when `ALP_Area_ShowSortIndicator = 2` and `ALP_Area_CompatibilityMode = 1`
- Changed the sort triangle to use native/Vista image when `ALP_Area_ShowSortIndicator = 2`
- `ALP_Area_ShowSortIndicator` now accepts value 2: draw the sort (non native) triangle to the right, not on top (usable on Windows Vista, 7, 8)
- Changed behavior of Copy and Drag & Drop: when `ALP_Area_SelType` is 0 (row selection), `ALP_Area_SelMultiple` is 1 and `ALP_Area_HideHeaders` is 0, the headers are copied, too
- Added Home, End, Page up and Page down keys to the accepted keys when an entry filter is used
 - these shortcuts may produce different results depending on the OS used and 4D versions
 - on MacOS, always works: 4D gets the key down - depending on 4D version, the text area will scroll, too (v14: yes, v12: no)
 - on Windows, 4D does not get the keys (except Page up and Page down when editing a non-text cell, e.g. real number)
- Renamed constant `ALP_Area_EditFirstClickMode` (from 9.8 b1) to `ALP_Area_EntryFirstClickMode`
- Fixed the strike-through line position on Windows when `ALP_Area_WindowsText` is zero (using GDI+)
- Improved compatibility with 4D v14
- Popups windows open on screen (could overlap the host window boundaries)
- Removed scrolling to the top on *AL_UpdateArrays* (-2)
- Added old AreaList Pro v8 feature: sort order button above the vertical scrollbar
 - when both `ALP_Area_HeaderMode` and `ALP_Area_ShowSortIndicator` are not zero, it will be shown
- Windows: when during entry 4D does not send deselect event on switching to another application, AreaList Pro restores the focus once switched back
- Enhanced Drag&Drop in compatibility mode when used with 4D v14
- Fixed computation of decimal separator position when horizontal alignment of a column displaying real numbers is set to 6 (“decimal” - align right, but using common position for the decimal separator)
- Fixed/changed “show column widths” tooltip (`ALP_Area_ShowWidths`) handling (tooltip was not cleared; now it reports the properties over any cell, not only over the header)
- Mouse moved event is reported even over the empty column on the right side

- Fixed change implemented in AreaList Pro 9.7mc3 (old AreaList Pro v8 behavior in compatibility mode using single-row selection mode - the first row is selected)
 - row 1 is selected only if it exists
- Changed ALP_Area_ShowWidths to 3-state (and modified *AL_SetColOpts* to do the same with 6th parameter)
 - 0 - don't display the width
 - 1 - display (cmd-option-shift down + mouse pointer over a header or cell)
 - 2 - display, but only in interpreted mode (when host DB is compiled, same as 0; component can be compiled)
- Fixed header height on Windows (empty column on the right side was taller by one pixel)
- Fixed ALP_Area_EntryValue setting a text value during popup menu callback installed by ALP_Area_CallbackMethPopup (garbage was assigned or it simply didn't work)
- New plugin property: alternate calendar popup
 - category: Plugin
 - name: ALP_Area_CalendarLook
 - value: "calo"
 - type: bool
 - access: read / write, but not persistent
 - default: 0 (False)
 - usage: when set to 1 (True), AreaList Pro will use a new Date popup ("Windows look")
 - comments: when ALP_Area_CalendarColors is not set explicitly, the color scheme is different and the "correct one" will be used (actually the ALP_Area_CalendarColors value is updated when ALP_Area_CalendarLook is modified).
- Modified behavior of ALP_Area_CalendarColors
 - When not set explicitly, default colors depends on ALP_Area_CalendarLook. To restore the default colors (as if ALP_Area_CalendarColors was not set), use empty text as the colors to use.
- Modified behavior of *AL_SetIcon*
 - Can be used with area reference zero - there is now a global workstation cache.
 - If the icon to be used is present in the global cache, it will be used. This has priority over internal icons (popups, HL triangles) **and** per-area cache.
 - Note: currently the replacement for internal icons must match the size. This will be enhanced in next releases.

- Internal icon IDs and sizes:
 - Generic popup (two arrows on Mac, triangle on Win): ID 1, width: 5 on Mac, 7 on Win
 - Date popup: ID 2, width: 15
 - Time popup: ID 3, width: 16
 - HL node right: ID 4, width: 9
 - HL node down: ID 5, width: 9
- New property: cell content default selection when editing
 - category: Area
 - name: ALP_Area_EntryFirstClickMode
(was ALP_Area_EditFirstClickMode, renamed in 9.8 mc3)
 - value: “ecch”
 - type: integer
 - access: read, write, persistent
 - XML name: “firstClick”
 - default: 0
 - min: 0
 - max: 3
 - usage: determines how the first click is handled upon beginning entry (when using numeric, date, time or text entry)
 - 0 - click is routed to the entry widget and the cursor is placed wherever the click occurs (default behavior)
 - 1 - ignore click, select all when the value is NULL or the formatted value is empty string (numeric, date, time)
 - 2 - ignore click, select all when the value is NOT NULL (numeric, date, time, text)
 - 3 - ignore click, always select all (same behavior as when tabbing between the fields)
 - comments: can be used with area reference zero (workstation default for all new areas)
 - Note: explicit setting of the highlighted text in the Cell entered callback is always honored

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- **Compatibility**
 - fixed AL_SetFormat using a picture column and “use picture height” - AreaList Pro is now set to variable row height mode (ALP_Area_NumRowLines is set to zero)
 - modified AL_SetHeight to ignore the “number of row lines” when a picture column has “use picture height” on
 - modified AL_SetStyle to ignore font styles not supported by AreaList Pro v9 (because v8 used for Outline is now used for strike-through)
 - fixed AL_SetDefaultStyle (only the font name was used, font size & font style were not set properly)
- **Windows**
 - fixed redrawing problem after starting entry in 4D v13 & v14 (sometimes the widget was not drawn properly)
 - fixed first click routing to the entry widget in 4D v13 & v14 (the simulated click was mostly “eaten” by 4D)
 - fixed popup not closing when clicking into another cell’s popup in 4D v14 (On Deactivate not running)
 - changed underline and strike-through color from black to the text’s foreground color when GDI+ is used
 - changed underline and strike-through position when GDI+ is used (underline is shifted down one pixel, strike-through in 2/3 of the ascent - should match GDI drawing)
 - fixed Date & Time popups (incorrect font size used; side-effect of fixing font issues on MacOS X 10.9 due to ACI0071390 / ACI0072320)
- **MacOS**
 - changed underline and strike-through color from black to the text’s foreground color

Changes between versions 9.6 and 9.7

- **New entirely redesigned manual**
- AL_SetLine can now be used with multiple-row selection mode
- Added support for old AreaList Pro behavior in compatibility mode using single-row selection mode: the first row is selected - during initialization, after a sort, on update (AL_UpdateFields with selector 2, AL_UpdateArrays with selector -2)
- Added support for length-limit during editing of Alpha fields
- **Advanced properties dialog:**
 - field mode setup checks tables and fields validity, if invalid notifies the developer and updates the preview area
 - new “Auto snap last column” checkbox on the “General Options” tab
 - new “Auto resize column” checkbox on the “General Options” tab (+visible field to set the column if checked)

- only one of the two checkboxes above can be checked
- modified button text in the “Selection” unit on the “General Options” tab
- modified “Entry mode” section in the “Enterability” tab (with 2 new options)
- new “Reported event” section in the “Enterability” tab (with 1 new option)
- Support for footers when printing an AreaList Pro area with SuperReport Pro (requires SuperReport Pro 3.1.2b3 or higher)
 - modified code and TableReport.xml template
 - use AreaList Pro v9.7 or higher and SuperReport Pro 3.1.2b3 or higher to print AreaList Pro areas with their footers using SuperReport Pro
- New property for leaving cursor as is when over the area
 - category: Area
 - name: ALP_Area_DontSetCursor
 - value: “DSCU”
 - type: bool
 - access: read / write, but not persistent
 - default: 0 (False)
 - usage: when set, ALP will not set the cursor (the cell entry widget is not affected, it maintains the cursor on its own)
- DisplayList:
 - added ability to swap OK & Cancel buttons (useful on Windows)
 - SetListBehavior has a new parameter at the end (#8): swapCancelOK as integer. When nonzero and both buttons are visible they are swapped.
 - Note: Remember to recompile your structure using this call to prevent a crash in accessing that new parameter - you can’t just replace the plugin...
- AL_GetVersion and AL_GetAreaTextProperty (0; ALP_Area_Version) no longer trigger the demo dialog when not registered (allows to check version before registering)
- Support for 4D v14’s ARRAY TIME (format can be specified as “103”, but “&/3-“ should work)
- New event value 101 (AL Mouse entry unsel row) - sent when the entry starts through a mouse action (not a keyboard action such as Tab, Return, Enter, Arrows) in a previously unselected row
 - Note: if AreaList Pro is in field mode, the record is already loaded and the entry initiated when the AreaList Pro area script is called (the event callback is executed before the entry starts)

- New property to modify the highlight method
 - category: Selection
 - name: ALP_Area_SelHighlightMode
 - value: “seld”
 - type: integer
 - default: 0
 - min: 0
 - max: 2
 - usage: change the way the selected cells/rows are highlighted
 - 0 = default (system highlight color used as background color)
 - 1 = invert colors
 - 2 = blend the system highlight color with 75% alpha (192)
- *AL_Register* can accept a new optional parameter
 - *AL_Register* (key:T; forceCheck:L) -> licenseError:L
 - if forceCheck is nonzero, the provided key is tested regardless of current registration state. If the plugin was not previously registered and the result is 0, it is registered the same way as if forceCheck was zero (or omitted).

Upgrading from previous versions

AreaList Pro version 9.8.x is a free upgrade from v9.0: existing v9.x licenses will activate version 9.8.x.

Upgrades from versions 8.3 - 8.5 (single user or server) are available at 70 € (\$85-\$95 USD)

Contact

Free upgrade requests, sales and license information: sales10@e-node.net

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AreaList Pro web page: www.e-node.net/alp