

APL+Win 12.0
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This release is recommended for all current APL+Win subscribers that have prior versions of APL+Win installed. Current APL+Win subscribers can download the update from <http://www.apl2000.com/software.php>.

The APL+Win 12.0 release includes the following important new enhancement:

- Interpreter: The `⎕DR` system function options 'wrap1' and 'unwrap1' now support `⎕MOM` (<<<Object Reference>>>) and `⎕UCS` (<<<UCS Characters>>>) data types.

The APL+Win v12.0 release includes the following important bug fixes:

- Interpreter: During `)SAVE` and `⎕SAVE` commands, the workspace timestamp (`⎕WSTS`) was updated in the workspace when the workspace file file attribute was set to read-only.
- Interpreter: Some floating points numbers appeared as stars in the session with print precision set to 16 and greater.

Example:

```
⎕pp
10
⎕ct
1.0E-13
N←9.999999999999998
N (1 2 3)
10 1 2 3
⎕pp←16
N (1 2 3)
***** 1 2 3
```

In v12.0, the result above is

```
9.999999999999990 1 2 3
```

- Session: Long statement lines containing numerous color changes had syntax coloring errors mid-way through the lines.
- APL GUI: The edit portion in a Combo Box control didn't turn gray (the default appearance) when disabled (`enabled=0`).

Please send any questions or comments to support@apl2000.com.

APL2000 Technical Support