

User Commands Release Notes

User Commands Version 2.2

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Revision: 20170627_220

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1 About This Document

This document describes the changes and new features in user commands version 2.2 (released with the first release of Dyalog version 16.0) compared with user commands version 2.1 (released with the first release of Dyalog version 15.0).

1.1 Compatibility with Dyalog Versions

The user command framework version 2.2 is compatible with Dyalog version 16.0 only.

2 Functional Changes

This chapter details the changes made to user commands for version 2.2.

2.1 General Changes

None.

2.2 Changes – Groups

2.2.1 Changed Groups

Some user commands have been moved into different groups. These are detailed in Table 1.

Table 1. Changed Groups

Old GROUP.Command Name	New GROUP.Command Name
ARRAY.ToHTML	MSWIN.ToHTML
FN.FindOutput	OUTPUT.Find



In addition to changing groups, the]FindOutput user command has also been renamed to]OUTPUT.Find.

2.2.1 Deleted Groups

Some groups have been deleted. These are detailed in Table 2.

Table 2. Changed User Commands


Group	Notes
SVN	The ten user commands that were in this group have also been removed – see table 6.

2.3 Changes – User Commands

2.3.1 New User Commands

Some new user commands have been added. These are detailed in Table 3.

Table 3. New User Commands

Group	User Command	Description
MSWIN	KeyPress	<p>Displays the elements of the event message vector in a dialog box when an event is triggered (that is, a key is pressed). If run from the Session window, data is also displayed there.</p> <p>Keypress event information includes the keynumber for a particular key. This is needed when:</p> <ul style="list-style-type: none"> • setting up an Accelerator property for a GUI object. • editing the keyboard translate .DIN files for the IME to enable keyboard layout customisation. • performing some action in the keypress event callback for a particular key. <p>For more information on the event message vector, see the <i>Dyalog for Microsoft Windows Object Reference Guide</i>.</p> <hr/>  This user command only works on the Microsoft Windows operating system.
TOOLS	ADoc	Generates HTML documentation from script(s) and displays it in an internet browser window.

2.3.2 Changed User Commands

Some user commands have been changed. These are detailed in Table 4.

Table 4. Changed User Commands

Group	User Command	Change
CALC	ToHex	The argument can now be an expression that returns decimal numbers instead of having to be decimal numbers. In this situation, the expression is evaluated and the hexadecimal equivalent of the solution is returned.
MSWIN	Open	This user command no longer requires .NET to be installed.
OUTPUT	Disp	When suspended in a dfn or dop, expressions including α , ω , $\alpha\alpha$ and $\omega\omega$ can now be displayed.
OUTPUT	Display	When suspended in a dfn or dop, expressions including α , ω , $\alpha\alpha$ and $\omega\omega$ can now be displayed.

TOOLS	Version	Now includes the build ID and workspace version in addition to the other version numbers reported
UCMD	USetup	If a setup.dyalog file is not located in the default directory, additional searches are now performed in all SALT <i>workdir</i> directories.

2.3.3 Deleted User Commands

Superfluous user commands have been deleted. These are detailed in Table 5.

Table 5. Deleted User Commands

Group	Deleted User Command
SVN	Add
SVN	Checkout
SVN	Commit
SVN	Delete
SVN	Diff
SVN	Export
SVN	Import
SVN	Resolve
SVN	Status
SVN	Update
UCMD	UUpdate

2.4 Changes – Modifiers

2.4.1 New User Command Modifiers

New modifiers have been added to some user commands to enhance their functionality. These are detailed in Table 6.

Table 6. New User Command Modifiers

Group	User Command	New Modifier	Description of Modifier
NS	XRef	<code>[-raw]</code>	Indicates that information should be returned in a format that is easier for programs to parse. No decorators are returned, just a name list and a square matrix.

TRANSFER	In	<code>[-alphabet s {=nnn}]</code>	<p>Indicates the case that lowercase, uppercase, and underscored characters should be translated to respectively. Possible values of each n are:</p> <ul style="list-style-type: none"> • A : uppercase • a : lowercase • <u>A</u> : underscored • Á : accented
UCMD	USetup	<code>[-info [=list]]</code>	<p>Without a modifier value, returns the full path of the setup.dyalog file that will be used (or, if the file does not exist, the first path searched) with a Boolean indicating whether it already exists. With the modifier value <code>list</code>, returns all current search paths with a Boolean for each indicating whether the setup.dyalog file already exists (where 1 indicates that it does already exist).</p>

2.4.1 Renamed User Command Modifiers

Some user command modifiers have been renamed for consistency. These are detailed in Table 7.

Table 7. Renamed User Command Modifiers

Group	User Command	Old Modifier Name	New Modifier Name
NS	ScriptUpdate	-DONT (SAVE)	-dontsave

2.4.2 Deleted User Command Modifiers

Superfluous user command modifiers have been deleted. These are detailed in Table 8.

Table 8. Deleted User Command Modifiers

Group	User Command	Modifier Name
OUTPUT	Box	-chars
OUTPUT	Boxing	-chars
PERFORMANCE	Profile	-timer
PERFORMANCE	Profile	-var
TRANSFER	In	-fliplu

2.5 Changes – Modifier Values

2.5.1 New User Command Modifier Values

New modifiers have been added to some user commands to enhance their functionality. These are detailed in Table 9.

Table 9. New User Command Modifiers

Group	User Command	Modifier	New Modifier Value	Description of Modifier Value
OUTPUT	Box	-trains	def	Specifies the display style for trains and derived functions. Similar to the <code>parens</code> modifier value but uses a minimum amount of parentheses instead of being fully parenthesised.
OUTPUT	Boxing	-trains	def	Specifies the display style for trains and derived functions. Similar to the <code>parens</code> modifier value but uses a minimum amount of parentheses instead of being fully parenthesised.