

OCAD 10[®] Functionality Chart

Map

	Standard	Professional
Map Display		
Map Space 4m x 4m	•	•
Map Space 80m x 80m new	•	•
Anti Aliasing Mode	•	•
Spot Color Mode	•	•
Hatch Areas Mode	•	•
Draft Mode (Dimming Background Map and/or Map)	•	•
Hide and Display Map new	•	•
Open Background Favorites	•	•
Redraw Display (Refresh)	•	•
Hide and Display Coordinate Grid new	•	•
Window Display as Tile (Horizontally and Vertically) or Cascade new	•	•
Extended Map Info Dialog (General, Symbols, Colors, Fonts, Background Maps, Database) new	•	•
Map Navigation		
Pan, also with Space Bar	•	•
Zoom In and Out , also With Ctrl + Mouse Wheel new	•	•
Zoom Out to the Previous View	•	•
Switch to Previous View, Next View new	•	•
Zoom to the Extent of the Entire Map	•	•
Scroll Vertically With Mouse Wheel, Horizontally With Shift + Mouse Wheel new	•	•
Fixed Views of the Map 0.1x, 0.25x 0.5x 1x, 2x, 4x, 8x, 16x, 32x and User Defined Zoom new	•	•
Rotate Optionally Map View by Compass Rose Bar new	•	•
Map Settings		
Define Scale, Rotation and Coordinate System*	•	•
* for Already Implemented Coordinate Systems see www.ocad.com , Additional Implementation of Coordinate System on Request!		
Map Manipulation		
Repair and Optimize the Size of the Map File	•	•
Create Orthogonal Coordinate Grid (Optionally With Offset and Angle)	•	•
Change Map Scale, With or Without Enlargement/Reduction of the Symbols	•	•
Move Map with X-Offset or/and Y-Offset	•	•
Stretch Map (X-/Y-Offset or/and Y-Offset)	•	•
Mirror Map (Horizontal or Vertical)	•	•
Rotate Map, With or Without Rotating North Oriented Symbols (Adjust Magentic North)	•	•
Affine Transformation (Interactive Adjustment of the Map to the Background Map or Coordinate System)	•	•
Export Partial Map (Rectangle by Coordinates, Entire Map, Current Window or by Arbitrary Area) With or Without Surrounding Object new	•	•
Print Map		
Page Layout		
Portrait, Landscape, Entire Map and Single Page	•	•
Partial Map (Selection by Coordinates, Entire Map, Current View)	•	•
Printing		
Define Print Scale (Deviation from Map Scale)	•	•
Print CMYK (Process-) Colors	•	•
Simulate Spot Color Print	•	•
Print to File	•	•
Print Grid According Color Definition	•	•
Reduce Color Intensity for Printing	•	•
Reduce/Enlarge Line Widths for Printing new	•	•
Save Current Settings Without Printing (Close Button)	•	•
Saves Settings as XML Script new	•	•

Background Maps

	Standard	Professional
Background Maps		
Scan Background Map		
Acquire (TWAIN Driver) and Select Source	•	•
Load Background Map		
BMP (Bitmap)	•	•
GIF (Graphic Interchange Format)	•	•
JPEG (Joint Photographics Experts Group)	•	•
TIFF (Tagged Image File Format)	•	•
OCAD (OCAD-Format)	•	•
EOCD (Encrypted OCAD-Format)	•	•
BPW, TFW, JGW, GFW (World Files for Georeferenced Raster Maps)	•	•
Open Several Files at Once	•	•
Define X-/Y-Offset, Angle, Scale and Resolution	•	•
Adjust Backgrounds Map		
Interactively Adjustment of up to 12 Points from the Background Map the Coordinate System	•	•
Undo the Last 12 Adjusted Points	•	•
Managing Background Maps		
Drop Out the Window for Managing the Background Maps of the OCAD Frame (Non Modal Option)	•	•
Open, Hide, Display and Remove (All) Background Maps	•	•
Move Up/Move Down Level of Background Maps	•	•
Dim Background Maps	•	•
Add Background Favorites	•	•
Assign Transparency to Background Map	•	•
Assign Spot Color to Background Map	•	•
Assign Block-Out Mask to Background Maps	•	•
Re-Link Background Maps	•	•
Background Map Info for OCAD File	•	•

Color Layer Management

	Standard	Professional
(Process-) Colors		
Add, Duplicate and Delete CMYK (Process-) Colors Layer	•	•
Load Colors Layers From any Other OCAD Map	•	•
Move Up/Move Down CMYK (Process-) Color Layer	•	•
Show and Delete Unused Colors Layers	•	•
Define RGB Colors from (Windows-) Color Palette	•	•
Define Opacity for Each CMYK (Process-) Colors Layer	•	•
Overprint Option (Effects only EPS and PDF Print Mode)	•	•
Saves Color Settings as a Report in Word, Excel, Html or Text File	•	•
Spot Colors		
Add, Duplicate, Delete Spot Color	•	•
Move Up/Move Down Level of Spot Color	•	•
Edit Half Tone Frequency and Half Tone Angle	•	•
Load Colors Layers From Any Other OCAD Map	•	•
Define Appearance of Spot Colors With CMYK Colors	•	•
Hide and Display Spot Color Level	•	•
Save Color Setting as a Report in Word, Excel, Html or Text Format	•	•

Symbolization

	Standard	Professional
Icon Editor		
Icon Drawing Mode		
24 Icon Colors	•	•
Drawing Mode: Straight Line, Freehand Mode, Rectangular Line, Rectangular Area, Dot, Circle, Fill In (Fill Area With Selected Color)	•	•
Icon Editing Mode		
Rotate the Icon 90 Degrees Counterclockwise or Clockwise	•	•

Select Rectangular	•	•
Copy, Paste and PastePaint: Paste from Microsoft Paint	•	•
Symbol Box Display		
Arrange Symbols Arbitrary, by Number or by Color new	•	•
Lock the Position of Symbols in the Box new	•	•
Adjust Size of Symbol Box	•	•
Create Symbol Tree and Favorites (Favorite List)	•	•

Symbol Editor

	Standard	Professional
Point Centered Symbol		
Circle, Dot, Line (All Drawing Modus and Line Styles) and Area (All Drawing Modus) Objects	•	•
Textpoint Symbol (Add Point Symbol to Text Symbol) new	•	•
Automatic North Orientation of the Symbol	•	•
Line Symbol		
Main Line: Line Width, Distance from Start, Distance to the End, Pointed	•	•
Line Styles: Round Cap, Round Join; Butt Cap, Bevel Join; Butt Cap, Miter Join	•	•
Dashes: Main Dash, End Dash, Number of Minimum Dashes	•	•
Gaps: Main Gap, Secondary Gap	•	•
Point centered Symbol in the Line	•	•
Point centered Symbol in Line: Secondary Symbol, Corner Symbol, Start Symbol, End Symbol	•	•
Double Line: Full Line, Left Side Dashed, Both Lines Dashed; All Line Dashed	•	•
Double Line: Fill in Color, Left or Right Line Color and Line Width, Dash and Gap Length	•	•
Line Decreasing: One End and Both Ends	•	•
Line Framing: Round Cap, Round Join; Butt Cap, Bevel Join; Butt Cap, Miter Join	•	•
Area Symbol		
Define Fill Color and Outline of Area Symbols Optionally (Any Defined Line Symbol)	•	•
Hatch Structure: Single Mode (Line Width, Offset, Angle)	•	•
Hatch Structure: Double Mode (Line Width, Offset, Angle 1 and Angle 2)	•	•
Point Centered Symbols Structure Orthogonal: X-/Y-Offset and Angle	•	•
Point Centered Symbols Brick: X-/Y-Offset and Angle selectable	•	•

Text Symbol		
True Type Fonts	•	•
Horizontal Text (The Text will be Kept Horizontal, If the Map has been Rotated)	•	•
Rotated Text (The Text will Follow the Rotation of the Map)	•	•
Paragraph: Character and Word Spacing new	•	•
Paragraph: Alignment (Top Left, Top Center, Top Right, Middle Left, Middle Center, Middle Right, Bottom Left, Bottom Middle, Bottom Right and Bottom justified)	•	•
Paragraph: Linde Spacing, Space after Paragraph, Indent First Line, Indent Other Lines	•	•
Tabulator: Right Tabulator	•	•
Line Below	•	•
Framing: Line Mode, Shadow Mode, Rectangle Mode	•	•
Define: Point Symbol (Optionally)	•	•
Line Text Symbol		
True Type Fonts	•	•
Character and Word Spacing new	•	•
Alignment (Top Left, Top Center, Top Right, Middle Left, Middle Center, Middle Right, Bottom Left, Bottom Middle, Bottom Right, Top All Line, Middle All Line, Bottom all Line)	•	•
Framing: Line Width, Line Style, Shadow (X-Offset and/or Y-Offset) and Shadow Color	•	•

Symbol Manipulation

	Standard	Professional
General		
New and Delete Symbol	•	•
Protect or Hide Symbol	•	•
Copy and Paste Symbol Into Another OCAD Map	•	•
Duplicate Symbols	•	•
Enlarge and Reduce Size of the Symbols	•	•
Sort by Number, Color and Status (Normal, Protect, Hide)	•	•
Select Used, Unused, All, Invert Symbol, by Color	•	•
Add Symbol to Symbols Favorites	•	•
Load Set of Symbols (Replace or Add to Existing Symbols)	•	•
Load Set of Symbols by Converting Symbols by a CRT-Table	•	•
Compare Set of Symbols (single or all)	•	•
Hide and Display: Graphic, Image and Unsymbolized Objects new	•	•
Move Group in Symbol Tree new	•	•
Symbol Tree Group: Normal, Protect and Hide new	•	•
Multiple Selection of Symbols in Symbol Favorites new	•	•

Drawing Tools

	Standard	Professional
Drawing Tools		
(Bézier-) Curve (OCAD or Adobe Illustrator Mode)	•	•
Straight Line	•	•
Freehand (3 Smoothing Levels)	•	•
Ellipse (Drawing First Axis, then Second Axis)	•	•
Circle (Dragging Diameter, Drawing From the Center, Entering Radius)	•	•
Rectangular Line (Open Path)	•	•
Rectangular Area (Closed Path)	•	•
Construct a Straight Line based on Length and Angle Iterativ	•	•
Construct a Straight Line based on Coordinates Iterativ new	•	•
Place a Point Object by a Length and a Angle From a Fixed Position new	•	•
Change Drawing Mode with Tab Key (also While Drawing) new	•	•
Undo and Redo Drawn Objects up to 12 times new	•	•

Topologie

	Standard	Professional
Adjustings Tools		
Following Existing Lines and Outlines Features	•	•
Automatic Joining	•	•

Editing Tools

	Standard	Professional
Objects		
General		
Delete, Copy, Paste, Move and Rotating Object	•	•
Enlarge and Reduce Object	•	•
Undo and Redo edited Objects up to 12 Times new	•	•
Duplicate (Fixed Offset Position / Identical Position)	•	•
Joining (Snapping) Objects	•	•
Align Objects Horizontally or Vertically new	•	•
Merging Objects	•	•
Convert Symbolology of a Single Object	•	•
Convert Symbolology of All selected Objects	•	•
Dissolve Composed Point Centered Symbols	•	•
Select Object by Selected Symbols	•	•
Identify the Number and Name of the Symbol of the Selected Object (Status Bar)	•	•
Measures the Length of Lines, the Size of Areas and the Distance Between Two Point Symbols new	•	•
Select Objects According the Selected Symbols or a Layer	•	•
Select Unsymbolized Objects, Graphic Objects, Image Objects and Objects With Invalid Symbol Type new	•	•
Select All (or of All Selected Symbols) Objects by Property (Number of Vertex, Height, Length and Area) new	•	•
Export Selected Objects	•	•
Line Editing		
Moving and Deleting Vertex	•	•
Adding Normal Vertex (No Effect of the Allocation of Dashes or Dots)	•	•
Adding Corner Vertex (Allocates the Entire Length of a Dash on Both Side of the Corner Vertex)	•	•
Adding Dash Vertex (Allocates the Half of Length of the Dash on Both Sides of the Dash Vertex)	•	•
Change Types of Vertex Individually or for the Whole Object	•	•
Cutting a Line Apart, Cutting a Line With a Gap Apart new	•	•
Cutting Several Selected Lines Apart new	•	•
Cutting Off a Part of a the Sidelines of a Double Line	•	•
Flip Line Object	•	•
Moving Lines Parallel	•	•
Add a Virtual Gap into a Line (Line is only optically apart) new	•	•
Convert Line into (Béziere-) Curve	•	•
Convert (Béziere-) Curve Into Polyline new	•	•
Smooth Line Features With 3 Different Levels Iterative new	•	•
Smooth Several Objects at Once new	•	•
Area Editing Tools		
Interactively Rotate the Direction of Area Pattern	•	•

Dividing an Area	•	•
Outline Area Objects	•	•
Clip and Fill Holes Into an Area (Punch)	•	•
Text Editing Tools		
Find and Replace Text	new	•
Change Line Text Object to Text Objects and Reverse	new	•

Import and Export

Import		Standard	Professional
Vector Data			
OCAD (OCAD)	•	•	
DXF (Data Exchange Format), Optionally as «Inseret as Point»	•	•	
AI (Adobe Illustrator)	•	•	
PDF (Portable Document File), Only Vector Data	•	•	
EMF (Enhanced Meta File), Only Vector Data	•	•	
WMF (Windows Meta File), Only Vector Data	•	•	
SHP (Shape File), Multiple Files Import	•	•	
SVG (Scalable Vector Graphics)	new	•	
XYZ Files (DEM)	new	•	

Export Raster Data		Standard	Professional
Formats			
BMP (Bitmap)	•	•	
GIF (Graphic Interchange Format)	•	•	
JPEG (Joint Photographics Experts Group)	•	•	
TIFF (Tagged Image File Format)	•	•	

General Export Options		Standard	Professional
Resolution in Dot per Inch (dpi) or Size per Pixel (m)	new	•	•
Create World File (Georeferenced BMP, TIFF, GIF, JPEG)	new	•	•
Anti-Aliasing and Color Correction	•	•	
Partial Map (Defintion by Coordinates, Entire Map, Current View) or Tiles (Width and Height)	•	•	

Additional TIFF Options		Standard	Professional
Color TIFF CMYK (32 bits)	•	•	
Color TIFF RGB (24 bits)	•	•	
CMYK (Process-) Color (8 bits)	•	•	
256 Colors / Greyscale (8 bits)	•	•	
Black and White / Halftone Screen (1 bit)	•	•	
Compression: LZW, CCITT (1 bit), Fax G4 (1 bit)	•	•	
Spot Colors (Single Color and Combination)	•	•	

Export Vector Data		Standard	Professional
Formats			
SHP (Shape File) Point, Line, Area and Text Object	•	•	
DXF (Data Exchange Format)	•	•	
SVG (Scalable Vector Graphic)	•	•	
AI (Adobe Illustrator 7)	•	•	
PDF (Portable Document File), Hybrid Export With Background Map	•	•	
EPS (Encapsulated Post Script), Hybrid Export With Background Map	new	•	
GPX (GPS Exchange Format), Only Line and Point Features	new	•	
KML (Keyhole Markup Language)	•	•	

General Export Options		Standard	Professional
Export Scale (Deviation from Map Scale)	•	•	
Partial Map (Selection by Coordinates, Entire Map, Current Window)	•	•	
CMYK (Process-) Colors	•	•	
Spot Colors (Single Color and Combination) for AI, PDF, EPS	•	•	
Compressed File for SVG, PDF, KML	•	•	

Additional SHP Options		Standard	Professional
Export All Connected Datasets	•	•	
Export Only Selected Data Connection	•	•	

Additional DXF Options		Standard	Professional
Units Meter (GIS) or Millimeter (Paper)	•	•	
Convert Text from ANSI to OEM	new	•	
Convert Text from OEM to Unicode	new	•	
Only Objects With a Selected OCAD Symbol	new	•	
Export by a Cross Reference Table (CRT)	new	•	
Export OCAD (Bezier-) Curves as DXF Splines	new	•	

Additional GPX Options		Standard	Professional
Metadata (Description, Author, Keywords)	•	•	
Export Line as Route (for navigation) or Track	•	•	

Additional KML Options		Standard	Professional
Describe File by Name, Screen Overlay Name, URL of Screen Overlay Icon, Defaut Placemark Name and URL for Default Icon for Point Objects	•	•	
Define Look at (Longitude, Latitude and Range) for Starting Flight	•	•	
Define Height for Area Objects (Optionally)	•	•	

Data Base

Data Base Connection		Standard	Professional
ODBC			
Open ODBC Data Source Administrator	•	•	

Database Connection		Standard	Professional
Choose Database File (dBase, Access, Excel) or any oder ODBC Data Source, Optionally With Username and Password	•	•	
Choose Table of Database File and Primary Key	•	•	
Add, Edit and Remove Secondary Table	•	•	
Enable/Disable Registering Geodata Arrays: Symbol Number, Text, the Size of an Objects (Length or Area) and X-/Y-Coordinates	•	•	
Re-Link File Directories or Remove Database	new	•	
Delete Database Record When Deleting Object	new	•	

Create Database (dBase)		Standard	Professional
Create New, Edit and Delete OCAD Standard dBase File	•	•	
Add a New Field (Type: Character, Number, Float; Length; Decimal), Edit Field and Delete Field	•	•	
Define Character Coding	•	•	

Creats Links		Standard	Professional
Create Links to All Objects, Which are Selected	•	•	
Checks Open Links	•	•	

Create Object from Table		Standard	Professional
Create Points and Text Objects from X-/Y- Point Data, Optionally with SQL-Conditions	•	•	
Choose Optionally Text Field	•	•	
Define X-/Y-Offset	•	•	

Assign Symbol		Standard	Professional
Assigns Symbols Out of a Database to Unsymbolized Objects According SQL-Conditions	•	•	

Assign Text		Standard	Professional
Assigns Text Out of a (All) Database to Text-Objects, Optionally Replacing or Adding New Objects	new	•	

Assign Angle		Standard	Professional
Assigns Angle (All) Database to Point Objects	new	•	

Database Box		Standard	Professional
Show Database Arrays of the Selected Object	new	•	
Hyperlinks for Relative and URL Addresses by Pressing Ctrl Key	new	•	

Link		Standard	Professional
Link or Remove (Several) Selected Object Individually to a Dataset, Optionally Create a New Record.	new	•	

Find		Standard	Professional
Find an Object in a Chooosen Dataset by Primary Key	•	•	
Search Next Free Key	new	•	

SQL Query		Standard	Professional
Select Objects with SQL Statements (SQL Query Builder)	new	•	
Show Selected Records in Table in Non-Modal Modus	new	•	
Move Windows According Selected Records	new	•	

Assign Symbol		Standard	Professional
Assigns Symbols Out of a Database to Unsymbolized Objects According SQL-Conditions	•	•	

Assign Text		Standard	Professional
Assigns Text Out of a (All) Database to Text-Objects, Optionally Replacing or Adding New Objects	new	•	

Assign Angle		Standard	Professional
Assigns Angle (All) Database to Point Objects	new	•	

Database Box		Standard	Professional
Show Database Arrays of the Selected Object	new	•	
Hyperlinks for Relative and URL Addresses by Pressing Ctrl Key	new	•	

Link		Standard	Professional
Link or Remove (Several) Selected Object Individually to a Dataset, Optionally Create a New Record.	new	•	

Find		Standard	Professional
Find an Object in a Chooosen Dataset by Primary Key	•	•	
Search Next Free Key	new	•	

SQL Query		Standard	Professional
Select Objects with SQL Statements (SQL Query Builder)	new	•	
Show Selected Records in Table in Non-Modal Modus	new	•	
Move Windows According Selected Records	new	•	

Link		Standard	Professional
Link or Remove (Several) Selected Object Individually to a Dataset, Optionally Create a New Record.	new	•	

Find		Standard	Professional
Find an Object in a Chooosen Dataset by Primary Key	•	•	
Search Next Free Key	new	•	

SQL Query		Standard	Professional
Select Objects with SQL Statements (SQL Query Builder)	new	•	
Show Selected Records in Table in Non-Modal Modus	new	•	
Move Windows According Selected Records	new	•	

Automatization

XML-Script		Standard	Professional
File: Open, Close, Save, Save As, Multiple File Import, Export OIM and Create Objects, Export, Print	new	•	
Database: Dataset New, Data Set Remove, Assigns Symbols, Text and Angle	new	•	
View: Entire Map	new	•	
Extras: Optimize and Repair	new	•	
Symbol: Load Symbol From	new	•	

XML-Script		Standard	Professional
File: Open, Close, Save, Save As, Multiple File Import, Export OIM and Create Objects, Export, Print	new	•	
Database: Dataset New, Data Set Remove, Assigns Symbols, Text and Angle	new	•	
View: Entire Map	new	•	
Extras: Optimize and Repair	new	•	
Symbol: Load Symbol From	new	•	

XML-Script		Standard	Professional
File: Open, Close, Save, Save As, Multiple File Import, Export OIM and Create Objects, Export, Print	new	•	
Database: Dataset New, Data Set Remove, Assigns Symbols, Text and Angle	new	•	
View: Entire Map	new	•	
Extras: Optimize and Repair	new	•	
Symbol: Load Symbol From	new	•	

DEM (Digital Elevation Model)

DEM		Standard	Professional
General			
Import DEM (ESRI ASCII-Grid, ASCII-Grid XYZ-File)	•	•	
Export DEM (ESRI ASCII-Grid, ASCII-Grid XYZ)	•	•	
Display Elevation at Cursor Position	•	•	

Open/Close OCAD DEM	•	•
Resize DEM	•	•
Show DEM Info	•	•
Calculate Contour Lines, Hypsometric Maps, Hills-hading	•	•
Calculate Profile	•	•
Export Profile as BMP, GIF and OCAD Map According OCAD Template	•	•
Print Profile	•	•

GPS

Real Time GPS		Standard	Professional
Settings			
Choose COM-Port and Speed Realtime (Baud Rate)	•	•	
Test Realtime Connection	•	•	
Enable/Disable DGPS, Optionally Not Saving and Showing DGPS Position	new	•	
Enable/Disable Minimum 4 Satellites, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable HDOP and Define Values Less than 3 to 10, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable Filter, Optionally Define Values from 5 to 14	new	•	
Enable/Disable Filter, Accuracy Circle and Auto Scroll	•	•	
GPS Real Time Mode: Georeferenced Mode or Adjusted to Map Mode	new	•	
Change Coordinantes System	•	•	

GPS Control Display		Standard	Professional
Show DPGS and HDOP	new	•	
Pause Measurement	new	•	
Append Object	new	•	
Add Normal and Corner Verte• Mode for Line and Area Objects	new	•	
Place Point Object at Average Position of Several Values	new	•	
Button to Open GPS Real Time Settings Dialog	new	•	

Real Time GPS		Standard	Professional
Settings			
Choose COM-Port and Speed Realtime (Baud Rate)	•	•	
Test Realtime Connection	•	•	
Enable/Disable DGPS, Optionally Not Saving and Showing DGPS Position	new	•	
Enable/Disable Minimum 4 Satellites, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable HDOP and Define Values Less than 3 to 10, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable Filter, Optionally Define Values from 5 to 14	new	•	
Enable/Disable Filter, Accuracy Circle and Auto Scroll	•	•	
GPS Real Time Mode: Georeferenced Mode or Adjusted to Map Mode	new	•	
Change Coordinantes System	•	•	

GPS Control Display		Standard	Professional
Show DPGS and HDOP	new	•	
Pause Measurement	new	•	
Append Object	new	•	
Add Normal and Corner Verte• Mode for Line and Area Objects	new	•	
Place Point Object at Average Position of Several Values	new	•	
Button to Open GPS Real Time Settings Dialog	new	•	

Real Time GPS		Standard	Professional
Settings			
Choose COM-Port and Speed Realtime (Baud Rate)	•	•	
Test Realtime Connection	•	•	
Enable/Disable DGPS, Optionally Not Saving and Showing DGPS Position	new	•	
Enable/Disable Minimum 4 Satellites, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable HDOP and Define Values Less than 3 to 10, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable Filter, Optionally Define Values from 5 to 14	new	•	
Enable/Disable Filter, Accuracy Circle and Auto Scroll	•	•	
GPS Real Time Mode: Georeferenced Mode or Adjusted to Map Mode	new	•	
Change Coordinantes System	•	•	

GPS Control Display		Standard	Professional
Show DPGS and HDOP	new	•	
Pause Measurement	new	•	
Append Object	new	•	
Add Normal and Corner Verte• Mode for Line and Area Objects	new	•	
Place Point Object at Average Position of Several Values	new	•	
Button to Open GPS Real Time Settings Dialog	new	•	

Real Time GPS		Standard	Professional
Settings			
Choose COM-Port and Speed Realtime (Baud Rate)	•	•	
Test Realtime Connection	•	•	
Enable/Disable DGPS, Optionally Not Saving and Showing DGPS Position	new	•	
Enable/Disable Minimum 4 Satellites, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable HDOP and Define Values Less than 3 to 10, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable Filter, Optionally Define Values from 5 to 14	new	•	
Enable/Disable Filter, Accuracy Circle and Auto Scroll	•	•	
GPS Real Time Mode: Georeferenced Mode or Adjusted to Map Mode	new	•	
Change Coordinantes System	•	•	

GPS Control Display		Standard	Professional
Show DPGS and HDOP	new	•	
Pause Measurement	new	•	
Append Object	new	•	
Add Normal and Corner Verte• Mode for Line and Area Objects	new	•	
Place Point Object at Average Position of Several Values	new	•	
Button to Open GPS Real Time Settings Dialog	new	•	

Real Time GPS		Standard	Professional
Settings			
Choose COM-Port and Speed Realtime (Baud Rate)	•	•	
Test Realtime Connection	•	•	
Enable/Disable DGPS, Optionally Not Saving and Showing DGPS Position	new	•	
Enable/Disable Minimum 4 Satellites, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable HDOP and Define Values Less than 3 to 10, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable Filter, Optionally Define Values from 5 to 14	new	•	
Enable/Disable Filter, Accuracy Circle and Auto Scroll	•	•	
GPS Real Time Mode: Georeferenced Mode or Adjusted to Map Mode	new	•	
Change Coordinantes System	•	•	

GPS Control Display		Standard	Professional
Show DPGS and HDOP	new	•	
Pause Measurement	new	•	
Append Object	new	•	
Add Normal and Corner Verte• Mode for Line and Area Objects	new	•	
Place Point Object at Average Position of Several Values	new	•	
Button to Open GPS Real Time Settings Dialog	new	•	

Real Time GPS		Standard	Professional
Settings			
Choose COM-Port and Speed Realtime (Baud Rate)	•	•	
Test Realtime Connection	•	•	
Enable/Disable DGPS, Optionally Not Saving and Showing DGPS Position	new	•	
Enable/Disable Minimum 4 Satellites, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable HDOP and Define Values Less than 3 to 10, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable Filter, Optionally Define Values from 5 to 14	new	•	
Enable/Disable Filter, Accuracy Circle and Auto Scroll	•	•	
GPS Real Time Mode: Georeferenced Mode or Adjusted to Map Mode	new	•	
Change Coordinantes System	•	•	

GPS Control Display		Standard	Professional
Show DPGS and HDOP	new	•	
Pause Measurement	new	•	
Append Object	new	•	
Add Normal and Corner Verte• Mode for Line and Area Objects	new	•	
Place Point Object at Average Position of Several Values	new	•	
Button to Open GPS Real Time Settings Dialog	new	•	

Real Time GPS		Standard	Professional
Settings			
Choose COM-Port and Speed Realtime (Baud Rate)	•	•	
Test Realtime Connection	•	•	
Enable/Disable DGPS, Optionally Not Saving and Showing DGPS Position	new	•	
Enable/Disable Minimum 4 Satellites, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable HDOP and Define Values Less than 3 to 10, Optionally Not Saving and Showing GPS Position	new	•	
Enable/Disable Filter, Optionally Define Values from 5 to 14	new	•	
Enable/Disable Filter, Accuracy Circle and Auto Scroll	•	•	
GPS Real Time Mode: Georeferenced Mode or Adjusted to Map Mode	new	•	
Change Coordinantes System	•	•	

GPS Control Display		Standard	Professional
Show DPGS and HDOP	new	•	
Pause Measurement	new	•	
Append Object	new	•	