COMPARISON OF FUNCTIONS			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Create object					
Load Image	Open as Backdrop		●	●	●
	Auto-digitize/Trace to outlines		●	●	●
	Open as Cross stitch		●	●	-
	Open as Photo stitch		●	●	-
	Open as Paint stitch		●	●	-
	Open as Sketch		-	●	-
Digitize	Outline Shape		●	●	-
	Freehand shape		●	●	-
	Magic wand tool		●	●	-
Shapes	Ellipse		●	●	-
	Pie		●	●	-
	Rectangle		●	●	-
	Trapezoid/parallelogram		●	●	-
	Polygon		●	●	-
	Star shape		●	●	-
Built-in Designs	Sample designs	Software	About 400	About 400	About 400
		Installation media	Over 3000 (In DVD)	Over 3000 (In USB)	Over 3000 (In USB)
	Clip Art		974	974	-
	Stitches		633	643	-
	Patterns		195	195	195
Lettering					
Text	Font		263	264	22
	Envelope		12	12	12
	Placement	Horizontal	●	●	●
		Vertical	-	●	●
		On line segment	●	●	●
		On arc	●	●	●
		On user path	●	●	-
	Bold		●	●	●
	Italic (True Type)		●	●	●
	Spacing		-	●	●
	Abbreviation editor		●	●	●
	Kerning pair		-	●	●
	Insert Symbol		●	●	●
	Name drop		●	●	-
Monogram	Template		25	25	25
	Frame		179	179	179

Properties			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Outline	Artwork		●	●	●
	Running		633	643	1
	Satin serial		195	195	1
	Cutwork		●	●	●
	Array		●	●	-
	Button holes		●	●	-
	Vector		●	●	-
Fill	Artwork		●	●	●
	Satin	Stitches	633	643	-
		Patterns	195	195	195
	Step	Stitches	633	643	-
		Patterns	195	195	195
	Row Fill		●	●	-
	Applique	Offset	●	●	-
		Fabric Trim	5	5	-
		Fix zigzag	●	●	-
		Fix e-stitch	●	●	-
		Fix satin	●	●	-
	Array		●	●	-
	Layout Fill	Rectangle	●	●	-
		Circular	●	●	-
		Contour	●	●	-
		Single line	●	●	-
		Shape fit	●	●	-
		Line fit	●	●	-
		Floral vine	●	●	-
		Space fill	-	●	-
		Floral fill	-	●	-
	Cross		●	●	-
	Net Fill		●	●	-
	Stippling		●	●	●
Underlay	Satin		16	16	16
	Step		6	6	6
Adjustments	Gradient		●	●	-
	Width		●	●	●
	Density		●	●	●
	Length		●	●	●
	Compensation		●	●	●
	Add short/long		●	●	-
	Random		-	●	-
	Mirror stitches (Running)		●	●	-
	Passes (Running)		●	●	-

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Adjustments of Bitmap fill type object	Cross	Palette	●	●	-
		Number of colors	●	●	-
		Repeat	●	●	-
		Cell size	●	●	-
		Blending	●	●	-
	Photo Stitch	Monochrome	●	●	-
		CMYK	●	●	-
		Negative	●	●	-
		Width	●	●	-
		Stitch density	●	●	-
		Gamma correction	●	●	-
	PaintStitch	Palette	●	●	-
		Number of colors	●	●	-
		Density	●	●	-
		Length	●	●	-
		Smoothing	●	●	-
		Blending	●	●	-
		Brightness	●	●	-
		Contrast	●	●	-
	Sketch	Number of colors	-	●	-
		Density	-	●	-
		Length	-	●	-
		Smoothing	-	●	-
		Blending	-	●	-
		Brightness	-	●	-
		Contrast	-	●	-
		Sketch brush	-	●	-
*Bitmap fill type object refers to an embroidery object opened as a cross stitch/photo stitch/paint stitch/sketch based on image data					
Auto-digitize/Trace to outlines	Options	Scale image	●	●	●
		Accuracy	●	●	●
		Color limit	●	●	●
		Background	●	●	●
	Trace as Artwork		●	●	●
	Supports PNG files with transparency		-	●	●
Constraints	Remove overlaps		●	●	●
	Sequence		●	●	●
Convert	Convert to curves		●	●	-
	Convert to stiches		-	●	●

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Convert	Autoborder	To the inside	●	●	-
		To the outside	●	●	-
		Distance	●	●	-
		Repeat	●	●	-
		Satin serial	●	●	-
		Running	●	●	-
	Ambience quilting	Echo	●	●	-
		Scroll	●	●	-
		Stippling	●	●	●
	Convert to redwork		●	●	-
	Create floral	Flowers	60	60	-
		Leaves	33	33	-
	Convert outline to object		●	●	-
	Convert fill to center line		●	●	-
	Separate to objects		●	●	-
	Use shape as work area		●	●	-
Edit					
Basic	Re-size		●	●	●
	Rotate		●	●	●
	Skew/Slant		●	●	●
	Copy		●	●	●
	Paste		●	●	●
	Undo/Redo		●	●	●
	Selection	Rectangle selection	●	●	●
		Lasso selection	●	●	●
	Duplicate		●	●	●
	Mirror X		●	●	●
	Mirror Y		●	●	●
	Combine		●	●	●
	Break apart		●	●	●
	Knife		●	●	-
	Group/ Ungroup		●	●	●
	Center to Hoop		●	●	●
	Fit to Hoop		-	●	●
Edit nodes	Add node		●	●	-
	Delete node		●	●	-
	To line		●	●	-
	Cusp node		●	●	-
	Smooth node		●	●	-
	Auto smooth node		●	●	-
	Split Outline		●	●	-
	Join nodes		●	●	-
	Smooth nodes		-	●	-

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Edit stitch	Moving		●	●	●
	Insert		●	●	●
	Insert at end		●	●	●
	Delete		●	●	●
	Erase stitch editing		●	●	●
Stitch Flow	Step	Directions	●	●	●
		Curving of Directions	●	●	-
	Satin	Directions	●	●	●
		Divide	●	●	●
		Point Directions	●	●	-
	Row Fill	Directions	●	●	-
		Divide	●	●	-
		Point Directions	●	●	-
	Floral	Start point	●	●	-
	Cross stitch	Subject area	●	●	-
	PaintStitch	Subject area	●	●	-
	Sketch	Subject area	-	●	-
Align	Align Left		●	●	-
	Align centers Horizontally		●	●	-
	Align Right		o	●	-
	Align Top		●	●	-
	Align centers Vertically		●	●	-
	Align Bottom		●	●	-
	Horizontal Spacing		●	●	-
	Vertical Spacing		●	●	-
Resize	Same width		●	●	-
	Same height		●	●	-
	Same size		●	●	-
Arrays	Circular array	Full Circle	●	●	-
	Rectangular array	Mirror Horizontal	●	●	-
		Mirror Vertical	●	●	-
		Mirror 4 corners	●	●	-
Shaping	Weld		●	●	-
	Trim		●	●	-
	Intersect		●	●	-
Sequence	Auto		●	●	●
	Manual		●	●	●
	Run optimizer once		Manual	Auto	Auto

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Manual mode	Re-arrange	Start points	-	●	-
		Exit points	-	●	-
		Trim function	-	●	●
		Stop function	-	●	●
		Creating a new object after the selected object	-	●	-
Edit Bitmap fill type object	Re-size		●	●	-
	Rotate		-	●	-
	Skew/Slant		-	●	-
	Edit nodes		-	●	-
	Trim		-	●	-
	Intersect		-	●	-
	Add as clipping region		-	●	-
	Knife		-	●	-
	Arrays		-	●	-
	Remove overlap		-	●	-
	Transparency to clipping region		-	●	-
View/ Tools for View					
View	Stitches		●	●	●
	Stitch Points		●	●	-
	Crosshair		-	●	●
	3D Preview		●	●	●
	Thickness View		●	●	-
	Set Light Source		●	●	●
	Customize UI colors		●	●	●
	Grid		●	●	●
	Guidelines		●	●	●
	Hoops		●	●	●
	Zoom		●	●	●
	Pan		●	●	●
	Save Current Workspace as Default		●	●	●
	Reset to Default Workspace Settings		●	●	●
Tools for View	Hide selected		-	●	●
	Measure(mm/cm/inch)		●	●	●
	Slow redraw		●	●	●
	Open as Backdrop		●	●	●
Setting					
Fabric	Smooth		41	40	41
	Ultra Light		5	5	5
	Light		7	7	7
	Normal Light		13	13	13
	Normal		21	20	20
	Heavy		10	10	10

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Optimizer Options	Applique frame-out distance		●	●	●
	Trimming distance between objects		●	●	●
	Trimming distance in Cross-Stitch		●	●	●
	Crystals cut offset		●	●	-
	Crystals minimum hole spacing		●	●	-
	End points at closet connection, even on trims		●	●	●
	Start/ Return to center of hoop		●	●	●
	Optimization strategy		●	●	●
General	Language	English	●	●	●
		Czech	●	●	●
		German	●	●	●
		Greek	●	●	●
		Latin-Spanish	●	●	●
		Spanish	●	●	●
		French	●	●	●
		Italian	●	●	●
		Japanese	●	●	●
		Korean	●	●	●
		Norwegian(Preview)	●	●	●
		Polish	●	●	●
		Swedish(Preview)	●	●	●
		Turkish	●	●	●
		Chinese	●	●	●
	Undo levels		●	●	●
	Auto backup steps		●	●	●
	Limit back drop size		●	●	●
	Measurement system	Metric	●	●	●
		Imperial	●	●	●
	Override default machine selection from stitch file data		-	●	●
Tools	Changing selection method		●	●	●
	Digitizer tool	Context Menu	●	●	●
		DRAWings	●	●	●
		Janome Digitizer	●	●	●
		elna Digitizer	●	●	●
		Bezier Tool	●	●	●
	Changing zoom in/out method		●	●	●
Monitor	Visible area		●	●	●
	Auto detect		●	●	●

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
View	Stitch type	Icon size	●	-	-
	Properties	Icon size	●	●	●
		Values width	-	●	●
	Toolbar	Icon size	●	●	●
	UI scale	Font scale	●	●	●
		Control scale	●	●	●
	3D	Accurate rendering	●	●	●
		Sequence Manager Quality	●	●	●
Printing	Printout font		●	●	●
	Barcode		-	●	●
	Printout parameters		●	●	●
Palette Order	Palette		Over 100	Over 100	Over 100
	RGB as Default		●	●	●
Custom Hoops	Create custom hoop		●	●	●
Color					
Color manager	Setting of thread palette		●	●	●
	Reduce colors		●	●	●
	Harmonies	Monochromatic	●	●	●
		Complementary	●	●	●
		Diad	●	●	●
		Analogous	●	●	●
		Triad	●	●	●
		Square	●	●	●
		Split-Complementary	●	●	●
		Tetradic	●	●	●
Palette	Color selection	Wheel	●	●	●
		Palette	Toolbar	Swatches	Swatches
		Color name search function	●	●	●
		Color code search function	●	●	●
Set default color	Edit color		●	●	●
	Select by outline color		●	●	●
	Select by fill color		●	●	●
	Select by color		●	●	●
	Make this color default for new:	Graphic Object	●	●	●
		Text Object	●	●	●
		For this design only	●	●	●
		For every new design	●	●	●

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Open/ Save					
Open	Design	DRAW Design file (".draw")	●	●	●
	Embroidery	Janome/elna (".jpx")	●	●	●
		Janome/elna (".jef")	●	●	●
		Janome/elna (".jef+")	●	●	●
		Janome/elna (".sew")	●	●	●
		eXPerience (".ngs")	●	●	●
		SEF xp (".sef")	●	●	●
		Tajima (".dst", ".dsz", ".dsb",	●	●	●
		SWF (".sst")	●	●	●
		Pfaff (".ksm",".pcs",".pcm")	●	●	●
		Singer (".xxx")	●	●	●
		Happy (".tap")	●	●	●
		Bernina/Melco expanded (".exp")	●	●	●
		Brother/Baby Lock/Bernina	●	●	●
		Brother ScanNCut Files (".FCM")	●	●	●
		Husqvarna (".hus")	●	●	●
		Husqvarna Viking (".vip")	●	●	●
		Husqvarna Viking/Pfaff (".vp3")	●	●	●
		Viking Designer 1 (.shv)	●	●	●
		Juki(".M3")	●	●	●
		Toyota(".10O")	●	●	●
		Laesser(".mst")	●	●	●
		Mitsubishi HD (".1??")	●	●	●
		Barudan FDR (".U??")	●	●	●
		ZSK TC(".Z0?")	●	●	●
		Saurer (".SAS")	●	●	●
		Sunstar (".ebd")	●	●	●
		ZH Embroidery (".zhs")	●	●	●
	Quilt	QuiltCAD (".hqf")	●	●	●
		PC Quilter (".txt")	●	●	●
		Statler Stitcher(".qli")	●	●	●
		CompuQuilter (".cqp", ".cmd")	●	●	●
	Vector files	Adobe Illustrator (".AI")	●	●	●
		Adobe PDF (".PDF")	●	●	●
		Corel graphics (".CMX")	●	●	●
		Encapsulated Postscript (".EPS")	●	●	●
		Enhanched windows metafile	●	●	●
		Scalable vector graphics (".SVG")	●	●	●
		Compressed SVG image(".svgz")	●	●	●
		Windows metafile (".WMF")	●	●	●

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Open	Bitmap files	Bitmap files (".BMP", ".DIB")	●	●	●
		Jpeg file (".JPG", "JPEG", "JPE,")	●	●	●
		PNG (".png")	●	●	●
		GIF (".gif")	●	●	●
		MacOS X icon(".icns")	●	●	●
		Windows icon (".ico")	●	●	●
		PBM (".pbm")	●	●	●
		PGM (".pgm")	●	●	●
		WBMP (".wbmp")	●	●	●
		WebP image (".webp")	●	●	●
		WBMP (".wbmp")	●	●	●
		TIFF(".tif", ".tiff")	●	●	●
		XBM (".xbm")	●	●	●
		XPM (".xpm")	●	●	●
		PPM (".ppm")	●	●	●
		TGA(".tga", ".icb", ".tpic", ".vda",	●	●	●
	CAD	AutoCAD (".DXF")	●	●	●
		HP GL file (".PLT")	●	●	●
Save	Design	DRAW Design file (".draw")	●	●	●
	Embroidery	Janome/elna (".jpx")	●	●	●
		Janome/elna (".jef")	●	●	●
		Janome/elna (".jef+")	●	●	●
		Janome/elna (".sew")	●	●	●
		eXPerience (".ngs")	●	●	●
		SEF xp (".sef")	●	●	●
		Tajima (".dst", ".dsz", ".dsb",	●	●	●
		SEF xp (".sef")	●	●	●
		SWF (".sst")	●	●	●
		Pfaff (".ksm",".pcs", ".pcm")	●	●	●
		Singer (".xxx")	●	●	●
		Happy (".tap")	●	●	●
		Melco expanded (".exp")	●	●	●
		Brother/Baby Lock/Bernina	●	●	●
		Husqvarna (".hus")	●	●	●
		Husqvarna Viking (".vip")	●	●	●
		Husqvarna Viking/Pfaff (".vp3")	●	●	●
		Viking Designer 1(".shv")	●	●	●
		Juki(".M3")	●	●	●
		Toyota(".10O")	●	●	●
		Laesser (".mst")	●	●	●
		Mitshubishi HD (".1??")	●	●	●
		Barudan FDR (".U??")	●	●	●
		ZSK TC(".Z0?")	●	●	●

			eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
Export	To Quilt	Quilt data (".qdata")	●	●	●
		DXF file (".dxf")	●	●	●
		EMF file (".emf")	●	●	●
		WMF file (".wmf")	●	●	●
		HP GL file (".plt")	●	●	●
		QuiltCAD (".hqf")	●	●	●
		PC Quilter (".txt")	●	●	●
		Statler Stitcher(".qli")	●	●	●
		CompuQuilter (".cqp", ".cmd")	●	●	●
	To SVG	SVG (".svg")	●	●	●
	To Image	PNG (".png")	●	●	●
		JPEG (".JPG", "JPEG")	●	●	●
		Bitmap (".bmp")	●	●	●
		TIFF(".tif", ".tiff")	●	●	●
Machines					
Elna	Elna 8100		●	●	●
	Elna 8200		●	●	●
	Elna 8600		●	●	●
	Elna 9600 "HauteCouture"		●	●	●
	eXpressive 820/ Elna 8300		●	●	●
	eXpressive 830		●	●	●
	eXpressive 830L		●	●	●
	eXpressive 850		●	●	●
	eXpressive 860		●	●	●
	eXpressive 900		●	●	●
	eXpressive 920		●	●	●
	eXpressive 940/ Elna 9900		●	●	●
	eXpressive 970		●	●	●

		eXuberance Version 1.7	eXuberance Version 2.0	eXuberance Jr V2.0
OS compatibility				
Windows	8.1	●	-	-
	10	●	●	●
	11	●	●	●
mac	10.13 High Sierra	●	-	-
	10.14 Mojave	●	●	●
	10.15 Catalina	●	●	●
	11 Big Sur	●	●	●
	12 Monterey	●	●	●
	13.4.1 Ventura	●	●	●
	14.0 Sonoma	●	●	●
	15.4 Sequoia	●	●	●

*Officially supports the latest version of macOS and the version before the latest, and no verification has been conducted on OS prior to 10.15 Catalina.