

LX Styler

customization tool for LX80xx/LX90xx

Version 7.0.2



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1 Introduction

1.1 What is LX Styler

LX Styler is a customization tool for the LX8000, LX8080, LX9000, LX9050 and LX9070. It will help you to modify existing navigational pages or add new navigational pages. It will also help you to choose from more than 120 different data symbols to suit your needs. You can also change the shape and size of an airplane, a glider, or remove unnecessary elements. The following symbols will appear in this manual.



Parts of the manual which should be read very carefully will appear with this symbol.



This bulb icon will appear when a useful hint is given to the reader.

1.2 System requirements

The LX Styler is written for a Windows operating system. The minimum requirements are simple:

- A Pentium processor
- Windows Vista or higher
- .NET Framework 4.6
- 120 MB of free disk space

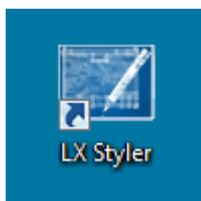
1.3 Installing and uninstalling

You can download the installation program from our webpage gliding.lxnav.com, then run it and follow the on-screen instructions to complete the installation.

To uninstall a program, navigate to the "uninstall icon" in the LX Styler group, and run it. You can also open the "Control panel", select "Add or Remove Programs", find the LX Styler line, and press the Remove button.

1.4 Starting the LX Styler

After your successful installation, a program group named LX Styler is created, and an icon is placed on your desktop. Double click on the icon to run it.



1.5 Contacting us

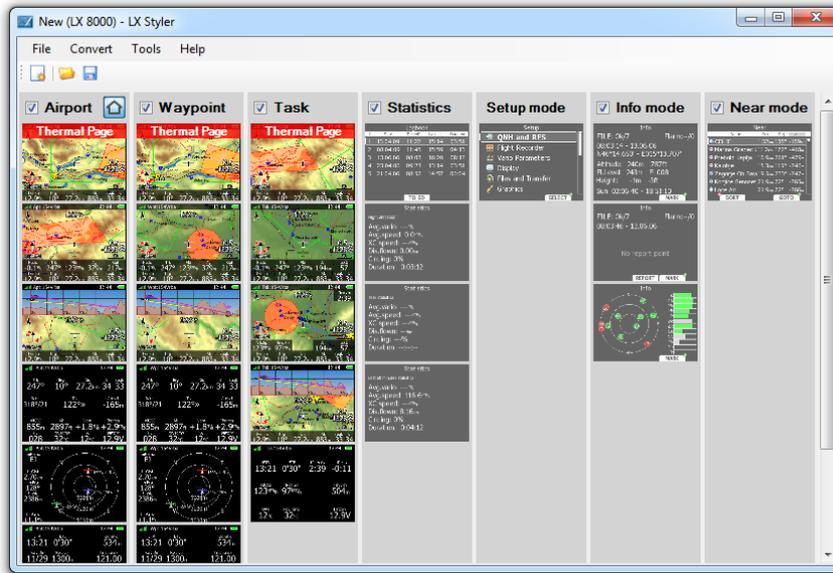
In case you have difficulties understanding or running your LX Styler, or you discovered a bug, please send us an email to info@lxnav.com, or call us +386 592 33 400.

Visit our webpage regularly for free updates and new help files.

2 Getting Started

2.1 LX Styler windows

Once you start a program, the main window will show the last configuration that was opened, or it will be empty.



The main window consists of a menu, a toolbar and a general view, where all the seven navigational modes are shown, namely airport mode, waypoint mode, task mode, statistics mode, setup mode, info mode, and near mode.

You will notice that the last four modes are in shaded grey colour, which means that it is not possible to modify them.

In each mode, all the relevant pages are displayed. If you click left twice on any navigational page, the "Navigation Page editor" will be opened. You can use it to define all small details of that selected page.

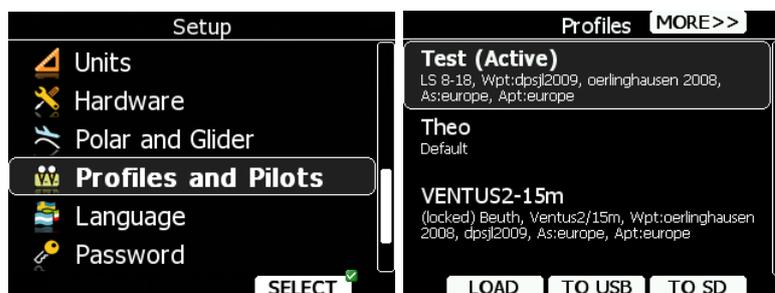
There are more details about the "Navigation Page Editor" in chapters 0 and 3.2.



2.2 Managing configurations

We store the complete "look and feel" display of the navigational pages in a configuration file with an .lxprofile extension. You can create a new "Configuration file", or it can also be downloaded from the device.

To download a "configuration file" from the device, enter the "Setup mode", and select the Profile and Pilots menu item. As the display is small, you have to press MORE>> to see other pages, until you see TO SD. Then press the TO SD button in order to copy the selected profile to the inserted SD card.



You can now load stored configuration files in LX Styler through File->Open, or pressing the open icon in the toolbar.

To create a new configuration, press File->New Configuration, or select a new configuration icon in the toolbar.



The "configuration file" also consists of other essential settings for the device. Variometer setting, pilot information, files in use, and glider polar are also stored in the configuration file. One can also modify most of these settings with the LX Styler, but some settings can be changed only on the device itself. If you create a new profile, the whole setting will be set to default values, and you will have to modify them on the device.

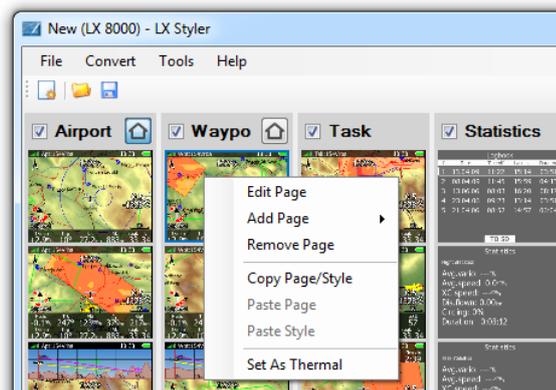
Once the configuration that suits your needs has been created, you can save it with File->Save, or by clicking the save icon in the toolbar.



You can also test your configuration on the LX Sim, which you can find on gliding.lxnav.com.

2.3 Managing navigational pages

You can easily move, copy or remove any "Navigational page" with a mouse. A double left click on a selected navigation page will open the "Navigation Page Editor". Press the right button of the mouse, and a pop-up menu will open.



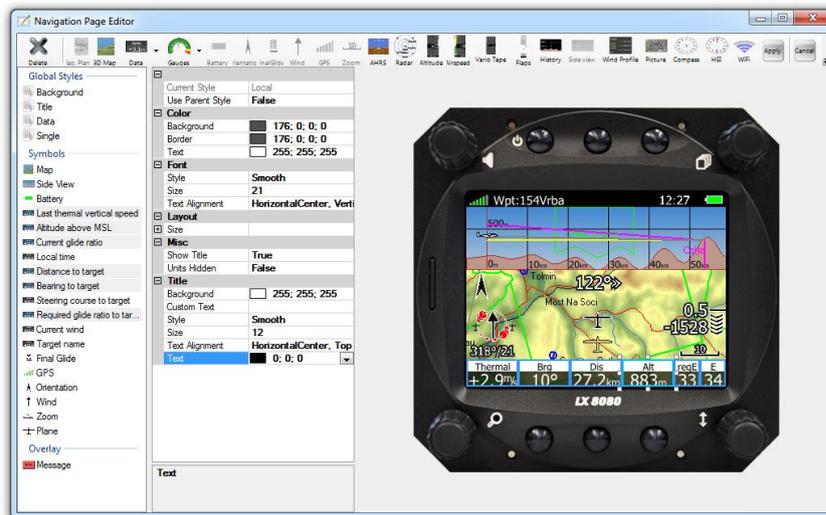
Select the appropriate menu item to add, remove, copy, or edit a page. You can also drag a page to another location – just press the left mouse button, and while holding it down, drag the selected navigational page to the desired location. A red line will indicate the new position of the page. Release the mouse button to place the page.

2.4 Navigation Page Editor

If you click left on any of the "navigational pages", or you select "Edit page" on the popup menu, a "Navigation Page Editor" will be opened. It is divided into four sections:

- **Toolbar**, it contains all the symbols which can be put on a navigational page.
- **Global properties** it defines the global styles for the symbols on it, and **lists of all the symbols** on the page.
- **Property editor**, it displays all the properties of the selected symbols.
- **Graphical representation**, shows the device and its navigational page.

Select one or more items from a list, or pick them on the device screen. They will be highlighted on the list, and a blue rectangle will be drawn around them. "Property editor" will fill in the properties for the selected item. If more than one element is selected, "property editor" will show only the common properties.

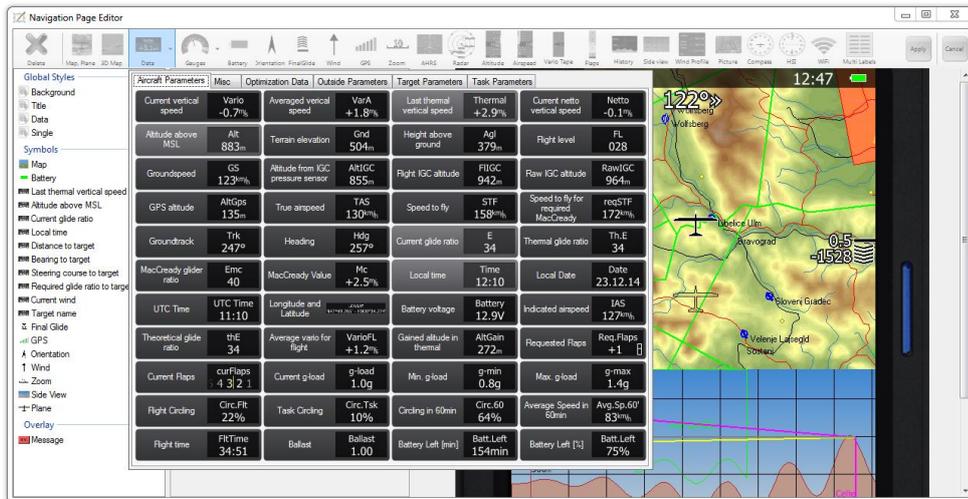


Once you have finished editing a page, press the "Apply button" in the toolbar to accept the changes, and return to the main window. Press "Cancel" to abandon all changes, and return to the main window.

2.4.1 Toolbar

Select a desired item from the toolbar to place it on page. Some items will be greyed if they are already on the page, or they are unavailable.

A Left click on an item will automatically place it in the top-left corner of the page. If you select Data Symbol, a new dialog will open in which you can then select the desired symbol.



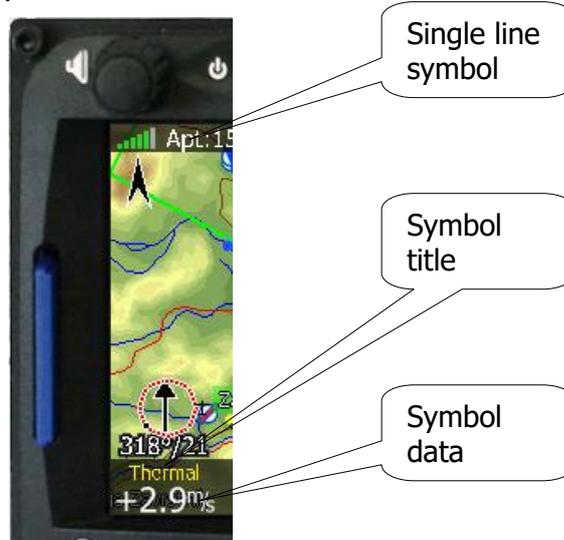
Data symbols are grouped in seven groups: aircraft parameters, outside parameters, target parameters, task parameters, optimization data, FES/JDU and misc tab. More details about the data symbols of each tab are available in chapter 0.

The toolbar also displays, a delete button with which one can delete the currently selected item. You can also delete an item by pressing the delete key.

2.4.2 Global Styles

When you want to change the colour for all the symbols on the page in one move, you should use global styles. There are four different items in this category:

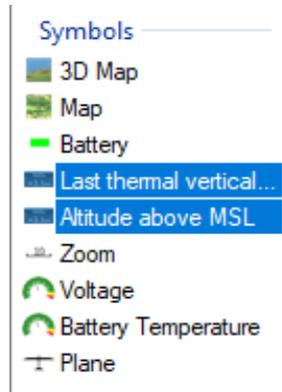
- **"Background colour"** defines the background colour of a page. The default colour is black
- **"Title style"** defines the font, the background colour, the border colour and the text colour of data symbol titles
- **"Data style"** defines the font, the background colour, the border colour and the text colour of a data value
- **"Single line symbol style"** defines the font, the background colour, the border colour and the text colour of single line data symbols.





If you change the colour or the font of any of the global styles, it will be applied only to the data symbols with the property "Use Global Style" set to yes.

2.4.3 Symbols lists



The "symbol list" shows all the elements of a page. A left click on an item selects it. It will highlight it, a blue rectangle will be drawn around it in a graphical view, and the properties for a selected item will appear in the "property editor". You can also select multiple elements at once by holding down the CTRL button, or select a range of elements using your SHIFT button. Once selected, you can change the common properties for all of them.

2.4.4 Message overlay

When "message overlay" is selected, a demo message will appear, and you will be able to edit its size, where it is located, and whether a Flarm radar is displayed next to it. There are three different messages, **Warning**, **Critical** and **Info**. The overlay for each of them can be edited separately.



2.4.5 Property editor

The "property editor" shows all the properties of a selected element that can be modified. The "property editor" is a table with two columns.

Current Style	Local
Use Parent Style	False
Color	
Background	176; 0; 0: 0
Border	176; 0; 0: 0
Text	255; 255; 255
Font	
Style	Smooth
Size	21

The left column displays the property name; and the right column displays the property value. Click on the property value to modify it. Press down the arrow on the right side, and an additional dialog for the selected property will be displayed.

Current Style	Local
Use Parent Style	False
Color	
Background	176; 0; 0: 0
Border	176; 0; 0: 0
Text	255; 255; 255
Font	
Size	27
Style	10
Text Alignment	11
Layout	
Location	13
Size	15
Misc	
Show Title	19
Symbol Type	21
Units Hidden	23
Value Unit	25
Title	
Background	0: 0: 0: 0
Custom Text	

Current Style	Local
Use Parent Style	False
Color	
Background	176; 0; 0: 0
Border	176; 0; 0: 0
Text	255; 255; 255
Font	
Size	27
Style	Smooth
Text	
Effect	<input type="radio"/> None
Style	<input type="checkbox"/> Italic
	<input type="checkbox"/> Bold
	<input type="checkbox"/> Underlined
Layout	
Effect	<input type="radio"/> Smooth
Misc	
Effect	<input type="radio"/> Outlined (1px)
Effect	<input type="radio"/> Outlined (2px)
Symbol type	monospace sansserif
Units Hidden	False
Value Unit	Auto
Title	
Background	0: 0: 0: 0
Custom Text	

At the bottom of the "property editor", there are more detailed description for a selected item.

2.4.6 Device Screen

The "device screen" is a graphical representation of the "navigational page".



Point to a symbol and select it with a mouse left click. If you hold the left mouse button on a symbol, you can drag it around, and place it into the desired position. If you click, hold and move small white squares around a selection, you can resize the symbol.

To select multiple symbols at once, hold down the Ctrl button on your keyboard, and then click on the next symbol you wish to select. Now, you can move or resize them together. To deselect it, click again on the selected item while holding Ctrl.

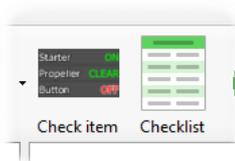
When resizing or moving, the borders of a selected symbol are snapped to the borders of other symbols; this is indicated with an orange line. If you wish to move or resize a symbol, freely hold down the Shift key while moving the mouse.

You can also move a selection by 1 screen pixel with the arrow keys of the keyboard. To move only the top-left corner, hold down Ctrl while pressing the arrow keys. To move only the right-bottom corner, hold down Shift while pressing the arrow keys.

2.5 Checklists

It is possible to open and create "checklist pages" with the LX Styler. Checklists are saved in file with a .checklists extension. You can activate them on your device in Setup > Files and Transfer > Checklists.

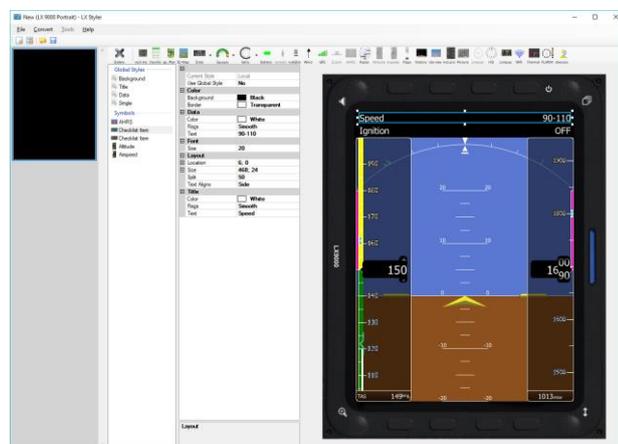
When editing a "checklists page", two additional buttons are present in the toolbar. The "check item button" inserts one checklist item on the page. These are special items that you can check, uncheck, and scroll on the device.



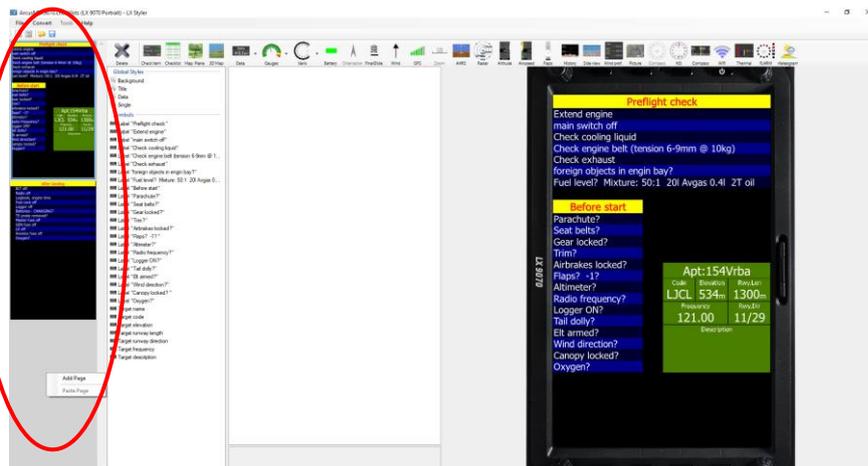
The "checklist button" opens a new dialog where you can create multiple checklist items faster. After selecting the "**Create**" button", the items are generated and added to the page. Now you can reposition them on the page, or make additional changes and change the style of individual rows.



After a checklist is created, you can still add other items to the checklist page. You do this the same way you would do it on a normal page.



You can create more than one checklist page. To add additional pages, click on the left-hand side of the screen and select add. Here you can also remove, copy and paste pages or change the order in which they appear by dragging them up or down.



3 Commands

3.1 Main window

The "Main window" commands are as follows; new configuration, new checklists, open or save, recent files, import and exit. Recent files are displayed only if some previous configurations were already opened.

In the "Convert menu", there is a list of other devices that you can convert to the profile. If you have a LX8000, and you want to use the same profile on the 9000... you have to press CONVERT, and select 9000.

The "tools menu" consists of other useful features used to modify a profile. It is possible to edit settings, and change the order of the remote action buttons.

In the "help menu", you can open a PDF manual to see the program version.

3.1.1 New configuration



When you select a "new configuration option", a dialog for device selection opens. Here you can select the device you want to create for navigational pages. For some devices, you have two options, which are portrait and landscape. After the selection is made, a new configuration is created with default navigational pages and default settings.



The "configuration file" also consists of other settings essential for the device. Variometer setting, pilot information, files in use, and glider polar are also stored in the configuration file. Most of these settings can also be modified with the LX Styler, while others can only be changed on the device itself. If you create a new profile, all settings will be set to default values, and you will have to modify them on the device.

3.1.2 New checklists

When clicking on the "New configuration command", a device picker dialog will open. After selecting it, an "empty checklists editor" will be displayed with pages on left side, and a familiar page editor in centre. For more details about checklists, please refer to chapter 2.5

3.1.3 Open

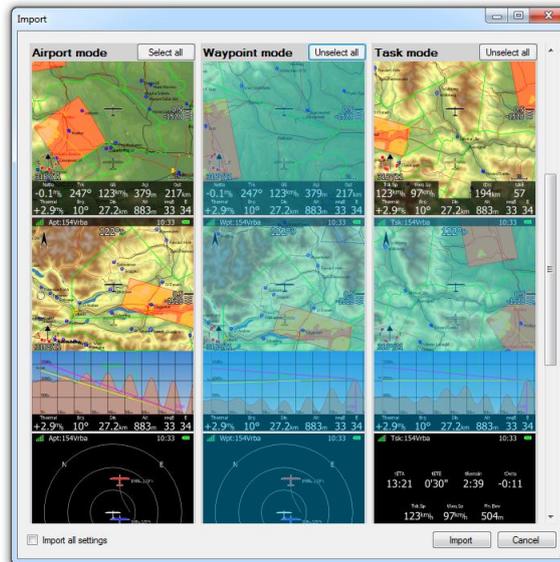
The "Open option" opens an existing configuration file or checklists. If you have already used a program for editing, you can open some of the recently opened files from the list in the "File menu".

3.1.4 Save

The "Save command" saves all current configurations, or checklists file.

3.1.5 Import

You can import pages from an existing open profile. You can manually select which modes and pages you want to import, or simply click select all. If you also wish to import all the setting saved in the profile (such as map settings, opened waypoints, units settings, sound and graphics settings...) then check the "Import all settings" option.



3.1.6 Exit

The "Exit command" will close the LX Styler. Make sure you saved your configuration before exiting the program. You may also exit the program by pressing the Alt+F4 key combination.

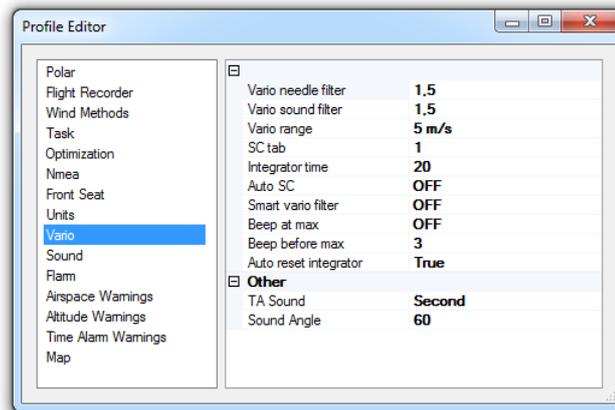
3.1.7 Convert

The "Convert command" opens current profiles for use on other devices. If there are any settings in profile, they are preserved. If the screen sizes are not the same on current and target device, the program will try to resize and move the symbols on all the pages to fit the target screen size.

3.1.8 Profile editor

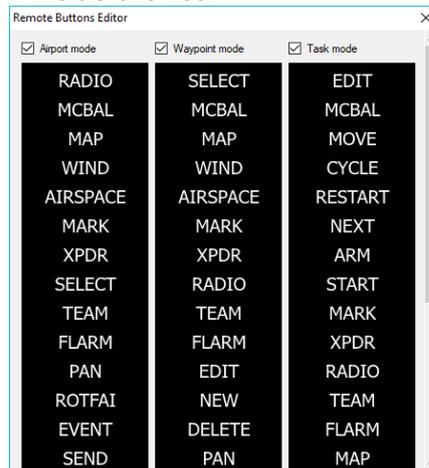
You can access the "Profile Setting Editor" from the Tools menu. Once there, you can select one of the many profile groups, and then edit individual settings.

You can only edit settings that the device has already saved to a profile file. So, if you just create a new profile in the LX Style,r you cannot edit it because it doesn't exist yet.



3.1.9 Remote actions editor

From the "Tools menu", you can access the editor with which you can reorder navigation buttons for the remote stick. This customization is available for airport mode, waypoint mode and task mode. You can enable or disable the custom order of buttons in the mode by toggling the corresponding checkbox. When enabled, you can reorder the buttons by clicking and dragging them up or down inside the list.



3.1.10 Edit page

When you make a right click on a page, a popup menu will appear. Select the "Edit Page item", and then the "Navigation Page Editor" will open.

3.1.11 Add page

Select this option to add a blank page. A page can be added before selecting a page or after doing it.

3.1.12 Remove page

Select "Remove page" to delete a page.

3.1.13 Copy page

A page can also be copied. Select a page, and copy it to a local clipboard. Once a page is copied, it can be pasted.

3.1.14 Paste page or style

This will create a copy of a page from the clipboard. It will be placed after the selected navigation page. You can also paste global styles from a copied page into a selected page.

3.1.15 Set as thermal

This will set the current selected page as the thermal page. When this feature is enabled on the device, the selected page will appear when circling. By default, the first page in every mode is set as the thermal page.

3.1.16 Enable/disable mode

If you do not need to use one, or more navigation modes, you can disable them by unchecking the checkbox in the mode header.

3.1.17 Home mode

Click on the "house icon" on the mode header bar to set it as the "home mode". When you start the device, the "Home mode" will open first.

3.2 Navigational Page Editor

The "Navigation Page Editor" is divided into four major sections.

- **"Toolbar"** contains all the symbols which can be put on a navigational page.
- **"Global properties"** defines the global colours for the page symbols; below it, there is a **list of all the symbols** on the page
- **"Property editor"** is used to display the properties of the selected symbols
- **"Graphical representation"** is for the device and the navigational page.

3.2.1 Toolbar



The toolbar contains the different symbols which can be placed on a navigational page. Most symbols can be placed only once on a page, and will be disabled if they are already on that page.

Some of the symbols can be placed on a page only in combination with others, and will be disabled if a symbol is missing. (e.g.: a zoom symbol can be placed on a page only if the map and the aircraft symbols are already on the page.)

When you click on the data symbol selector, a dialog will open.



Data symbols are grouped in seven logical groups: aircraft parameters, outside parameters, target parameters, task parameters, optimization data, FES/JDU and misc tab. Specific symbols will be depicted in the next chapter.

On the toolbar, you will also find a delete button used to remove a symbol from a page, and the buttons "Apply and Cancel" to exit from the editor.

3.2.2 Symbols

Map symbol

You can add a map to a page. By default, it will be stretched to the whole screen. Select edge points to resize it, or to move it around. A Map symbol is always added along with the aircraft symbol.

Aircraft symbol

The "aircraft symbol" shows the current position of the aircraft on the map. The aircraft symbol will automatically be added to the map.

You will notice that there are two aircraft symbols shown. The one drawn as a shadow shows the position of an airplane when "Track Up", "Goal Up" or "Heading Up" map orientation is selected on the device (See the manual of the device for more details about map orientation). In the "property editor", this position is referred as "Track" and the other position is referred as "North". There are several types of aircraft available. Change the style to select different aircraft symbol.

You can also show a wind vector, which will rotate around the symbol.



3D Map

A symbol shows the map with a 3D terrain. This feature is not available on some older LX8000 and LX9000 devices.

Battery

Battery will display visually the current level of the battery. Green indicates that the battery is ok. It will first turn yellow, and later on red, when the battery is empty.

Orientation symbol

The "Orientation symbol" always points towards the true north. It can be placed on a page only when the map symbol is already on that page.

Final glide symbol

The "Final glide symbol" is very complex symbol, and you are highly recommended to have it on the page. It will display the current MacCready value, the arrival altitude at goal, and many other features which are very important to start the whole task procedure.

If you fly a SGP ask there is a special symbol next to the FG. For more details, please refer to the device manual.

Wind symbol

The "Wind symbol" shows the wind direction. It is useful to combine it with the wind data symbol in order to get the wind strength. While circling you can have the thermal assistant around the wind symbol . Enable or disable this feature with the "Has Thermal" property.

GPS symbol

The "GPS symbol" shows the status of the GPS. A green colour indicates that the GPS is acquiring a 3D position; a yellow colour stands for a 2D position fix. When the colour is red, no position is calculated by the GPS. Each bar represents two visible satellites.

Zoom symbol

The "Zoom symbol" shows the current map zoom. You can use it only when the "map symbol" is already on the page. The zoom can be presented in two ways : a number on the symbol indicates the length of the zoom symbol, or a number indicates its length in the whole screen. Use the "Full" property to switch between the two different styles of the symbol.

AHRS symbol

This symbol will display an artificial horizon. You can also set it to see the compass direction. It is available in 3 different "display styles", circle, round, or rect.

Radar symbol

The "Flarm radar symbol" will display a radar screen showing Flarm targets at a predefined zoom. If, on the device, there is no map symbol on the page, you can also change the visible range with the ZOOM button wheel.

Altitude tape symbol

It shows the altitude band with the current altitude in the middle. You can customize it to see different information on the top and the bottom of the symbol. These data are QNH, MSL, height above ground, and flight level.

Airspeed tape symbol

It shows the current aircraft indicated speed. You can fully customize the band colours to match your aircraft speeds. You can also set it to display true airspeed, groundspeed, or outside temperature.

Flaps tape symbol

It displays the current and the required flaps position. You can centre on any of these two positions, or you can display the full tape range. In this case, all the flaps position ranges are spaced equally, regardless of their values. In "Tape colour", you can edit the colours of every even and every odd flaps position, and the colour of the current flaps position.

History view symbol

This shows the past aircraft altitude, and terrain elevation. Circling direction is also visible. You can specify how many minutes of flight should be shown with "Shown Minutes property". The value by default is zero, which shows the history of the whole flight.

Side view symbol

This one symbol shows the lateral view of your position toward a selected goal, or aircrafts bearing. It also displays airspaces on your way, which you can customize on the device inside the "Airspace graphics dialog" in the setup mode.

Wind profile symbol

This symbol displays information about the wind profile. It is very similar to the tape in the "Wind dialog".

Picture symbol

This symbol displays photos tied to selected waypoints or airports. You can edit these pictures with "LX Asapt editor" which you can find on gliding.lxnav.com.

Compass and HSI symbols

These two symbols display the magnetic rose. The compass is always attached to a plane symbol, and can be added only when the map symbol is already on the page. The HSI symbol can be added and moved freely at any time. The "compass tape" is another symbol with similar functionalities that always centres on the plane heading.

Wi-Fi symbol

This shows the status of your Wi-Fi connection. Note that Wi-Fi functionality does not work on some older LX8000 devices with serial number 25001-25699, or 28000-28199.

Vario symbols

The "**vario gauge**" is a representation of the variometer. You can change which values the needle is pointing to." The "**Vario tape symbol**" shows a vario value on the vertical tape. There is also a separate "**SC Vario indicator**" that displays the current vario mode.

Thermal symbol

This is a thermals graph from the "Statistics mode" in a symbol form. It displays the last four thermals. The thermal average is shown below each thermal column. Thermals are coloured according to the MacCready value. A red colour means that the thermal average was 0.5 m/s or more, above the current MacCready setting. A blue colour means that the thermal average was 0.5 m/s or less, below the current MacCready setting. An orange colour indicates that the thermal average matches the Mac Ready setting.

On the left side, there is an altitude scale. On the right side, there is a display of the average of the last four thermals.

Gauges symbol

Here, you can find a **gauge of the current g-load value**. It also shows the lowest and highest recorded values. You can set it to be visible only when it is over a certain g-load. **FES Gauges** is a set of gauges designed for glider equipped with FES system. One can find the following gauges : **Voltage, minimum Voltage, maximum Voltage, Current, Power, RPM, Throttle, Engine temperature, Controller temperature, Battery temperature** and **Battery level**.

Meteogram

This symbol shows all weather information for a selected target. It requires a Wi-Fi connection in order to download the image. Note that Meteogram does not work on some older LX8000 devices with serial number 25001-25699 or 28000-28199.

FLARM Indicator

The indicator shows the direction and the vertical position of other aircrafts.



Values written in data symbols inside the LX Styler are *totally useless*, and are not correlated to each other. These values, in DEMO are only for demonstration purposes.

Forecast legend

This symbol represents a generic legend for forecast map layers. The type of data the symbol actually displays depends on the forecast service used (e.g. rainfall amount). You can only add this symbol if the page contains a map.

Data symbols

There is an available variety of data symbols. A "data symbol" is a numerical representation of different parameters. A data symbol consists of a title field, which stores the name of a data symbol, and a data field which is shown as the parameter. The title can be omitted if the "Show title property" is set to No. When the „Use Global Style“ property is set to Yes, the data symbol will follow the global page style properties. Disabling the „Use Global Style“ property allows the full customization of a selected data symbol.

There are more than 120 different data symbols. They are grouped into seven groups.

Aircrafts parameters

Title	Description
Vario	Current vertical speed
VarA	Averaged vertical speed (the average time can be set on the device)
Thermal	Last thermal vertical speed
Netto	Current netto vertical speed
Alt	Altitude above MSL
AltIGC	Altitude from the IGC pressure sensor
RawIGC	Raw IGC altitude
AltGps	GPS Altitude
Gnd	Terrain elevation
Agl	Height above the ground
Height	Height above takeoff
FL	Flight level
FIIGC	Flight IGC altitude
GS	Groundspeed
TAS	True airspeed
STF	Speed to fly
reqSTF	Speed to fly for a required MacCready (used for Pirker final glide)
Trk	Ground track
Hdg	Heading
E	Current glide ratio
Th.E	Thermal glide ratio
Emc	MacCready glide ratio
Mc	Sets MacCready value
Time	Local time
Date	Local date
UTC Time	Current UTC time
LON/LAT	Current longitude and latitude position
Battery	Battery voltage
IAS	Indicated airspeed
thE	Theoretical glide ratio
VarioFL	Average vario for the flight
AltGain	Gained altitude in a thermal
reqFlaps	Requested flaps position
curFlaps	Current flaps position
g-load	Current g-load
g-min	Minimum g-load
g-max	Maximum g-load
Circ.Flt	Flight circling
Circ.Tsk	Task circling
Circ.60	Circling in the last 60 minutes
Sp.60'	Last 60 minutes speed
FltTime	Time of flight
Ballast	Current ballast
Radius	Circling radius
revT	Circling revolution time

FES/JDU

Batt.Left[min]	Displays the remaining battery level in minutes
Batt.Left[%]	Displays the remaining battery level in percent

Misc

Title	Description
Label	An arbitrary text label. You can type any text you favour in there.
<i>Location name</i>	Nearest location
<i>Airspace name</i>	Distance to the nearest airspace
<i>Airport name</i>	Nearest airport
<i>Wpt. name</i>	Nearest waypoint
tmDist	Team partner distance
tmBrg	Team partner bearing
tmVario	Team partner vario
tmAlt	Team partner altitude
tmName	Team partner name
tmRelAlt	Relative altitude of the teammate
tmTo	Relative bearing of the teammate
tmCode	Team code of your position
tmWptCode	Waypoint team code
Eng.TT	Engine total time
Eng.FT	Engine flight time
Flarm	Flarm RXTX
COM	Active Frequency
STBY	Passive Frequency
XPDR	XPDR Transponder
Rain Status	Rain data status
Rain Age	Age of the displayed rain image
TkOff	Take off time
Weather Info	Timing information about active weather layers

Optimization data

Title	Description
Opt	Optimized distance
OptHome	Optimized distance to home
Tri	Optimized FAI triangle distance
OLC.Sp.60'	OLC 60 minutes speed
Sp.150'	Last 150 minutes speed
Alt.150'	Altitude 150 minutes ago

Outside parameters

Title	Description
Wind	Current wind with its direction and strength
cWind	Head/Tail wind component. There are two values displayed. The first is a calculation based on track and wind direction; the second is the difference between TAS and GS.
WindX	Side wind component. It displays its strength and direction.
OAT	Outside temperature
Humidity	Relative humidity. (A special sensor must be attached to the device)
Dew.Temp	Dewpoint temperature. (A special sensor must be attached to the device)
Pot.Temp	Potential temperature

Target parameters

Title	Description
Dis	Distance to target
Arrival	Arrival altitude at target
ArrMc0	Arrival altitude at target with the MacCready setting at 0
ReqAlt	Required altitude to reach the target
Brg	Bearing to target
Radial	Radial from target
To	Steering course to target
ETA	Estimated time of arrival
ETE	Established time en route
reqE	Required glide ratio to target
Target	Target name
Req.Mc	Required MacCready value to target, taking into account the wind.
Elevation	Target elevation
Rwy.Dir	Target runway direction
Rwy.Len	Target runway length
Frequency	Target frequency
Sunrise & Sunset	Sunrise and sunset times at the target location
Description	Additional description of target
METAR	Raw or parsed target METAR data
TAF	Raw or parsed target TAF data
toWind	Head/tail wind to the target. There are two values. The first is a calculation based on the bearing and the wind direction, and the second is the difference between TAS and GS.
Code	Target code
VMG	Velocity made good

Task parameters

Title	Description
tDis	Remaining task distance
tMinDis	Minimum task distance
tMaxDis	Maximum task distance
Fin.Elev	Task finish elevation
tArr	Arrival altitude on task finish calculated through all remaining task points
tArrMc0	Arrival altitude on task finish calculated through all remaining task points with MacCready set to 0

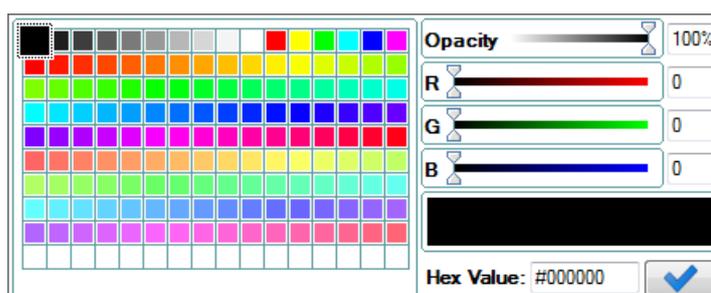
tETA	Task estimated time of arrival
tETE	Task established time
tRemain	Task remaining time
tDelta	Task delta time. A difference between tETA and tRemain
tskE	Required task glide ratio
Tsk.Sp	Task speed so far
tReq.Sp	Task required speed calculated from tRemain and tDis
tSp.60'	Task speed for the last 60 minutes
tReq.Mc	Required MacCready value towards the next task point, taking into account the wind.
trqSTF	Required "speed to fly" calculated from the required MacCready
T.Start Alt	Task start altitude
xTrk	Current leg cross track distance
tVario	Average vario for task
sDis	Distance to zone centre
sBrg	Bearing to zone centre
xsDist	Cross distance to zone centre
tunAlt	Task uncompensated arrival altitude

3.2.3 Message symbol

This is a "special symbol" which represents notifications visible on your device. You can't change a symbol for each page separately, but only for every mode (airport, waypoint and task). It is displayed after you select it from a list of symbols. It is now possible to resize and move the symbol. If you want to hide the message symbol, you need to deselect it, or select some other symbol from the list on the left side.

3.2.4 Colour editor

The "colour editor" is used to define a colour for a selected property. The "colour dialog" will open if you click on the down arrow in the "property value cell".

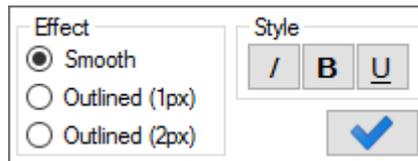


The colour can be selected from a grid of predefined colours on the left side of the dialog. Or you may change red, green and blue values with sliders, or enter numerical values. The colour can also be set with hexadecimal values.

It is also possible to define the opacity for a selected colour. Slide the opacity slider towards zero to make a selected property transparent.

3.2.5 Font Style

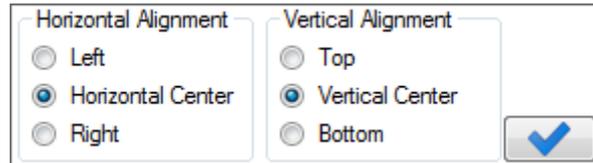
If you click on the "font style property", a "font style dialog" will open.



You can select different font styles there as well as an optional text outline.

3.2.6 Text Alignment

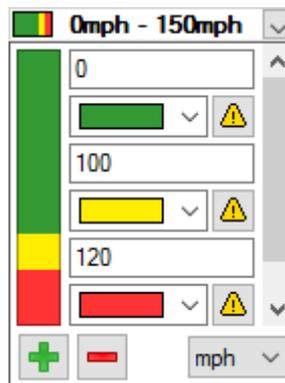
The "text alignment popup dialog" is used to define how the text is aligned horizontally and vertically inside a symbol.



3.2.7 Ranges

Items like G-meter and Data symbol can use "ranges" for their display. With the "ranges editor", you can modify their appearance when the "symbol value" changes.

In the centre, there are series of value and colour controls. Edit "value" to constrain ranges, and select "colour" to change the appearance of a range. On some symbols, a text can start blinking when the value enters a specified range. Press on the "⚠" button after a colour selector on ranges to specify where you want the blinking to occur. The preview of ranges is displayed on the left side of the list.



You can add a new range, or remove it with the "+ and – buttons" on the bottom left. After pressing the button, hover over the tape on the left side, and click on the range to remove it, or split it in two. If you press "add new", you can also select the up or down arrow to add a new range on the top, or on the bottom of the scale. On the bottom right side, it is possible to select the unit in which the values will be written.

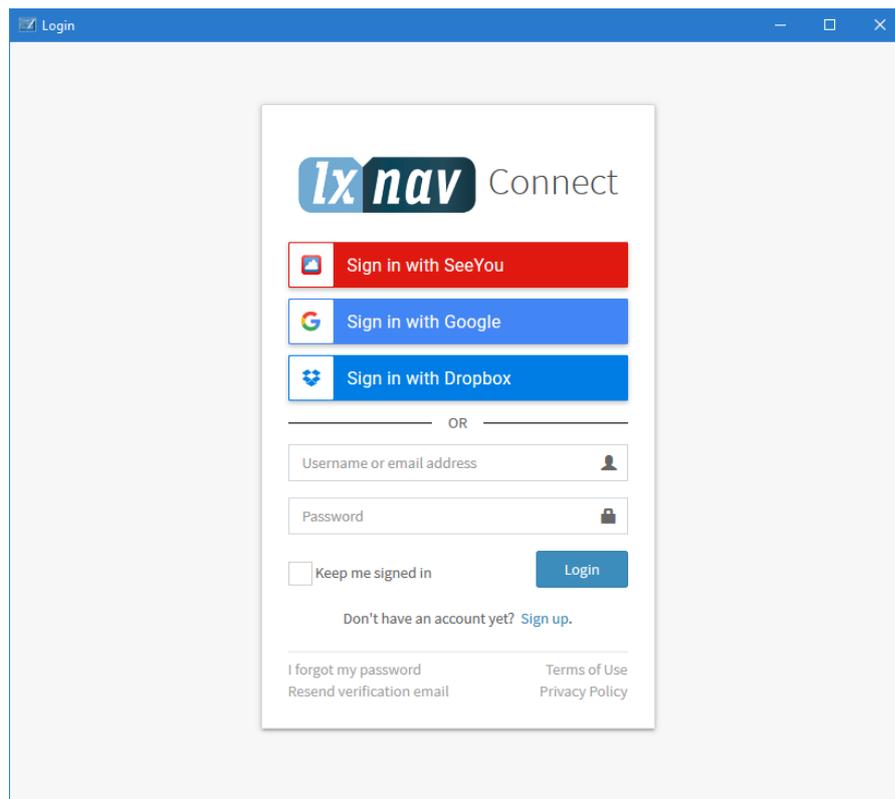


If the "range previews" are drawn in diagonal lines while editing, it means that the written values are invalid, or are not defined in an ascending order.

4 LXNAV Connect Integration

LX Styler supports uploading and downloading of lx profiles and checklists from your LXNAV Connect data services.

To use any of the functionality offered by LXNAV Connect from LX Styler, you must be signed in into your Connect account, you can do this by clicking on the “” button in the top right corner of the Main window, if your name displays alongside it, that means you are already signed-in. You can also ignore this step and LX Styler will prompt you for your credentials once required.



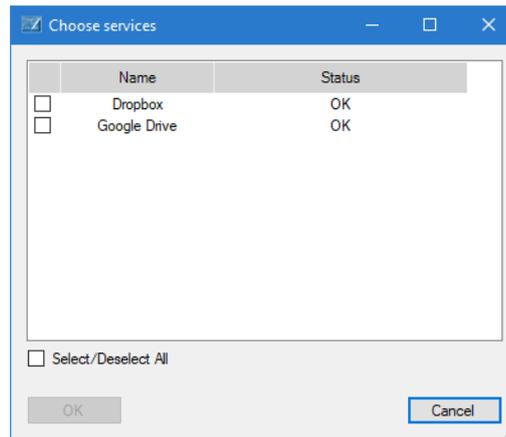
In order to log out of your account, press the same button again and a menu will appear, click the “Log out” menu item.

4.1 Uploading files

To upload your currently opened checklists or lx profile either click the “” button in the toolbar, or go to the “File” menu in the main window, select “LXNAV Connect” and then click “Upload”. If you aren’t logged into your Connect account already you will be prompted to do so.

Choosing services

Next you will be prompted to select what services to upload the file to. You select a service by clicking its checkbox. The file will only be uploaded to the selected services. To continue click “OK”, to cancel the upload click “Cancel”.

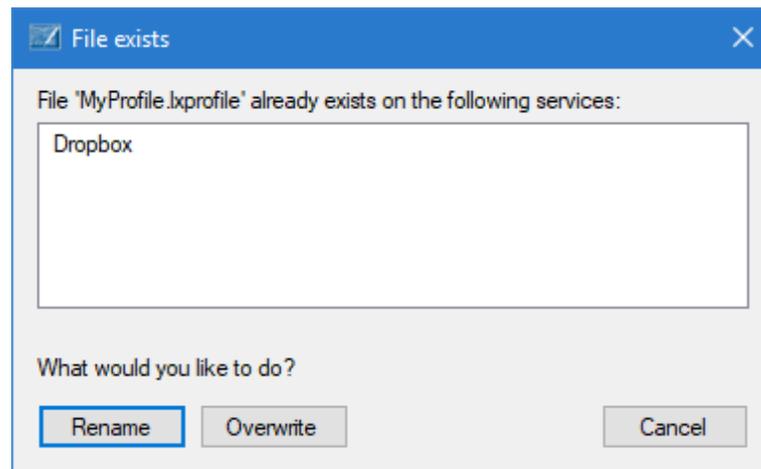


Please note that if a service is greyed out, this is either because the service is unavailable, discontinued, an error occurred or you simply aren't signed into it. You can solve the latter by going to your LXNAV Connect Dashboard and signing in with that service.

File name

The name of the file will be the same as it is displayed in LX Styler.

If one or more of the services you selected already has a file with the same name in the "profiles" folder, you will be prompted what to do.



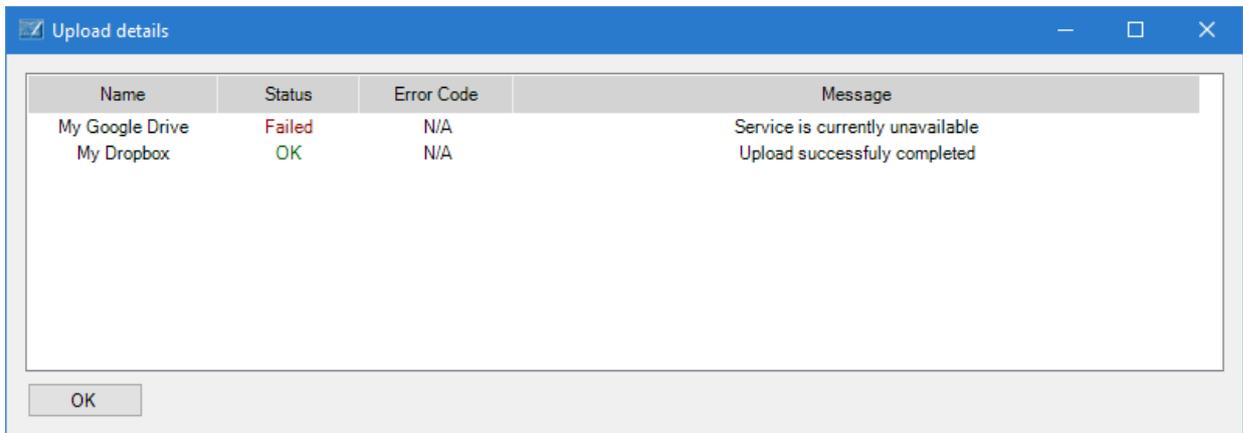
You may choose a different name for the file to be uploaded, overwrite the files with the same name, or cancel the upload.

Tracking Progress

You can track the progress of the upload by looking at the status bar that appears on the bottom of the main window.

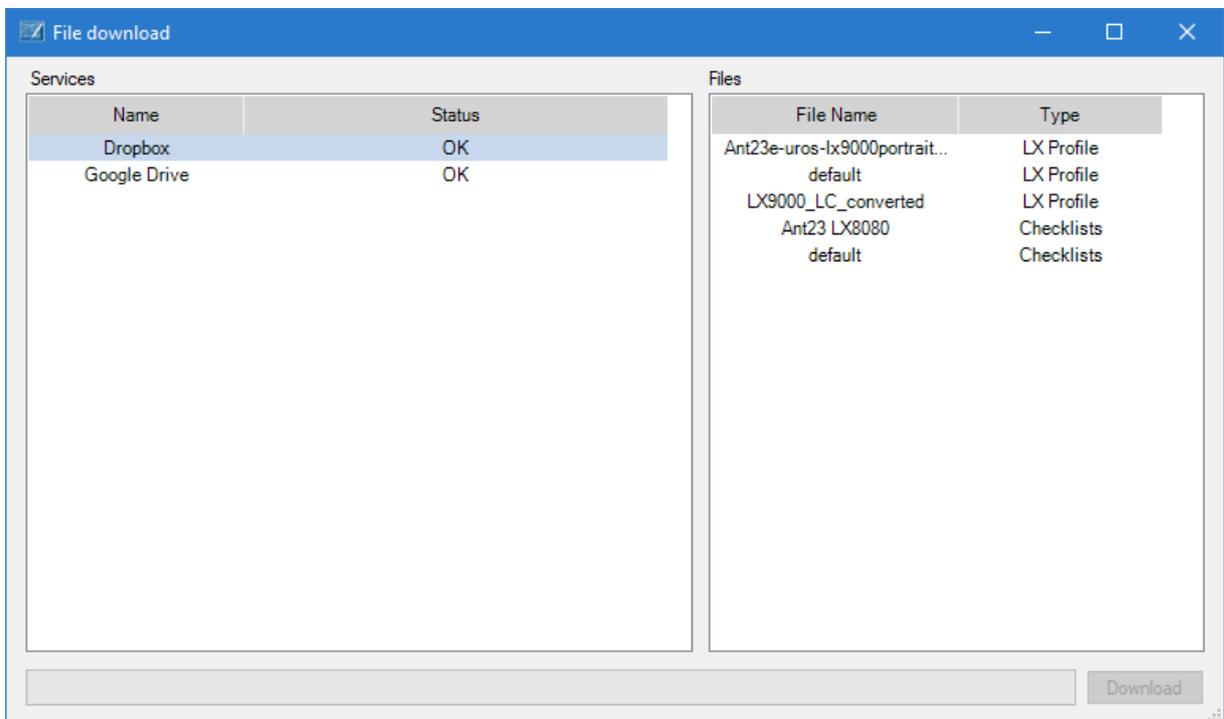


When the upload completes for all of your selected services, you will be notified. If uploading to any service failed you will be shown the details of the error.



4.2 Downloading Files

You can download files from your own data services by clicking on the “” button in the top right corner, or by clicking on “File” menu then selecting “LXNAV Connect” and finally “Download”. A new window will appear listing your services on the left. You can view files on a service by clicking its row, after that LX Styler will query the service and display the files on the right side. You then download a file by selecting it and clicking the “Download” button or simply by double clicking the row. Once the download completes, the download window will close and your file will be opened for editing.





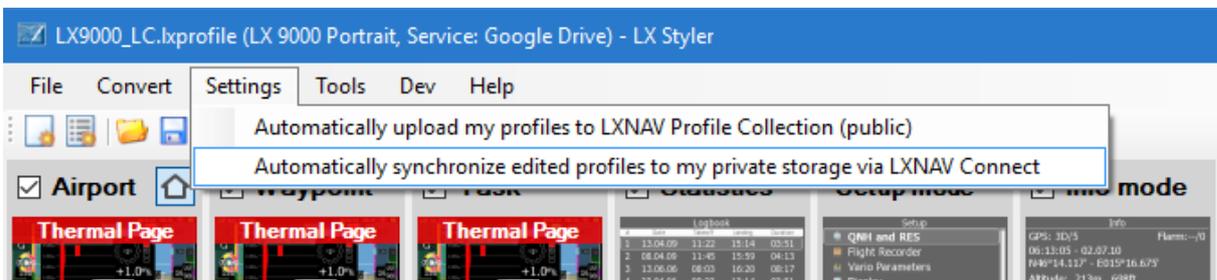
Please note that if a service appears greyed out, this is either because the service is unavailable, discontinued or you simply aren't signed into it. You can solve the latter by going to your LXNAV Connect Dashboard and signing in with that service.

You can cancel the download before it completes by clicking the "Cancel" button.

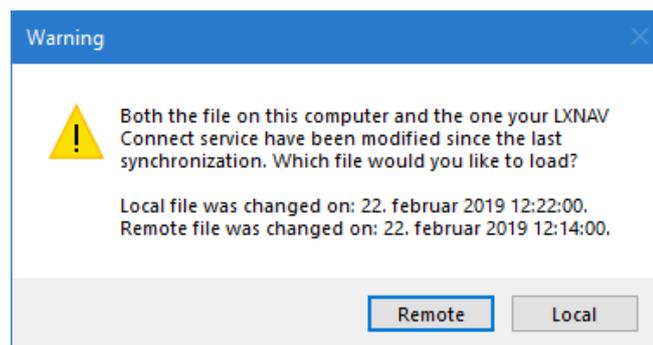
4.3 Automatic file synchronization

Files downloaded from your LXNAV Connect services can be automatically synchronized with LX Styler. Meaning whenever you open a file you downloaded from LXNAV Connect you get a warning if the remote file has changed, and when you close LX Styler it will automatically update the remote file for you.

In order to enable this feature, open the "Settings" menu and make sure "Automatically synchronize edited profiles to my private storage via LXNAV Connect" is checked. You can toggle the option by clicking on it.



When you open a file with enabled synchronization, LX Styler will check if the remote file has changed, and if the file you just opened has been modified outside of LX Styler. In case only one of the files was modified, the one that was modified will be loaded, if both were modified you will be prompted which one you would like to load.



5 Profile Collection Integration

LX Styler also supports uploading to LXNAV Profile Collection, where pilots may upload their profiles in order to share them with the rest of the world.

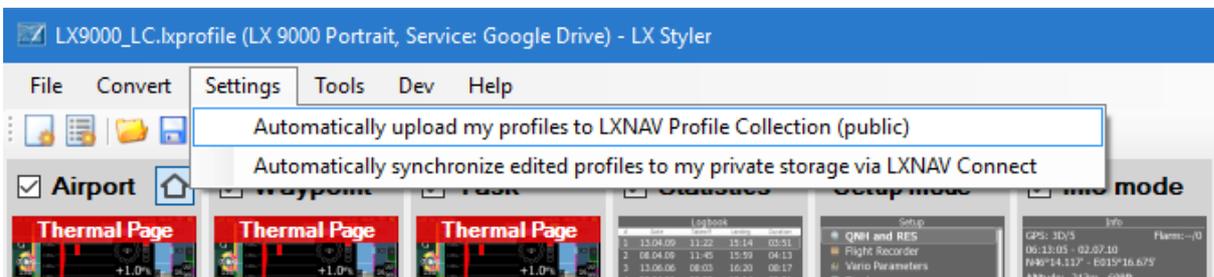
5.1 Upload modes

Both manual and automatic uploading of profiles to Profile Collection is supported.

When uploading in either mode you will be prompted to sign in to your LXNAV Connect account (if not already signed in) before the upload begins. Your name will also appear alongside the uploaded profile.

5.2 Settings

To change the current settings select "Settings", then click on "Automatically upload my profiles to LXNAV Profile Collection (public)". If the option is checked, LX Styler will automatically upload the open profile when you save it.



5.3 Uploading

To upload your profile click on the "🌐" button, or go to the "File" menu, select "Profile Collection" and then click "Upload". If you aren't signed into your LXNAV Connect Account you will be prompted to do so. Then you will be prompted to name your profile once you have done that the upload will begin.

If automatic mode is enabled, then the application will automatically upload your profile to Profile Collection when you save it on your local computer.

5.4 Browsing

To open the Profile Collection web page click on the "🌐" button in the toolbar, or go to the "File" menu, then "Profile Collection" and finally click "Browse". The web page should open in your default web browser.

6 Revision history

December 2009	Initial release of the manual
May 2015	Described new symbols, dialogs and functionality
September 2016	New checklists file format and new symbols; Updates and typo fixes
January 2017	Updated range editor described 2 new symbols
February 2018	Updated chapters: 2.5, 3.3.2
March 2018	English correction done by JR
June 2018	Updated chapter 2.5
January 2019	Added instructions for LXNAV Connect and Profile Collection
February 2019	Updated chapters: 4, 5; Added instructions for automatic file synchronization
April 2019	Added description for Forecast legend symbol, updated data symbols