MyCNC profiles

MyCNC software can be flexibly configured for a wide range of application. Complete machine configuration is stored in Profile - folder that contains all the screen configuration, machine settings, macros, PLC procedures etc.

Profile folders are placed in "myCNC/profiles" folder in User configuration folder. "User configuration folder" is OS dependant folder which can be for example:

• Linux -

/home/user_name/.config/...

• MS Windows (Old) -

C:/My Documents/...

• MS Windows (Win 7) -

C:/Users/User_Name/...

For example for Odroid-C2 mini computer we offer profiles folder are placed in -

/home/operator/.config/myCNC/profiles

Save/Restore Profile Configuration

- Current Profile can be stored simply by archiving your current profile folder
- Current Profile can be stored in the local database file. Press **Ctrl+Z** to open **Save Profile dialog**, enter comments and press "Save". A Complete set of Current profile files will be stored in the database file.

mycnc:mycnc_profiles http://docs.pv-automation.com/mycnc/mycnc_profiles?rev=1575302783



select profile snapshot and press "ok".

Database file with Profiles Archive is placed in myCNC working folder in myCNC/db/profiles.sqlite file. A Full path for Odroid-C2 is

/home/operator/myCNC/db/profiles.sqlite

for MS Windows it can be

C:/MyCNC64/db/profiles.sqlite

To Store Current profile snapshot

To Store Current profile snapshot on myCNC Server press button Store Profile on myCNC Server. You will get a confirmation message after the profile stored.

Store/Restore and Update Profile data to/from myCNC Server

Current Profile can be stored, restored or updated from myCNC Server. Store, restore and update profile can be made in the "Support" dialog.

SYS PLC CFG			me/sk/DNC/CUSTOMERS/INIK/2017-11/ни	3.NC]	V V
Enable Access to CNC Host	Computer for Technical Support Team	Firmware Update			
Linable Access to circ most	computer for reclinical support reall	Select Board	myCNC-ET7	~	
Tech Support Server	mycnc.noip.me	Firmware Version	Release	~	
		UART port	/dev/ttyS4()	~	
		Baud rate	115200	~	
		badd fate	115200	-	
Defau	ult Support Setting				
			Update Firmware		
Profile Save					
		Software Update			
Store	e Profile on myCNC Server		Check Updates		
Store Profile Load	•	Version available:	Check Updates		
Store Profile Load			Check Updates		
Store Profile Load Profile Name to Load	•	Version available:	Check Updates		
Profile Load Profile Name to Load Controller UID	1280M5	Version available:	Check Updates		
Store Profile Load Profile Name to Load Controller UID Date	1280M5 46e87ccd238e1f29	Version available: Build for:	Check Updates		
Store Profile Load Profile Name to Load Controller UID Date Screen	1280M5 46e87ccd238e1f29	Version available: Build for:	Check Updates		
Store Profile Load Profile Name to Load Controller UID Date Screen Macros	1280M5 46e87ccd238e1f29	Version available: Build for:	Check Updates		
Store Profile Load Profile Name to Load Controller UID Date Screen Macros PLC	1280M5 46e87ccd238e1f29	Version available: Build for:			
Store Profile Load Profile Name to Load Controller UID Date Screen Macros PLC Variables	1280M5 46e87ccd238e1f29	Version available: Build for:	Check Updates		
Store Profile Load Profile Name to Load Controller UID Date Screen Macros PLC Variables	1280M5 46e87ccd238e1f29 2017-1201-063605	Version available: Build for:			

SYS PLC CCCC	(13:07:20) myCNC cont	rol software. Ver:1.88.2099- [/ho	me/sk/DNC/CUSTOMERS/INIK/2017-11/	низ.NC]	» ~ **
Enable Access to CNC Host	Computer for Technical Support Team	Firmware Update			
Liable Access to che nost	computer for recimical support ream	Select Board	myCNC-ET7	~	
Tech Support Server	mycnc.noip.me	Firmware Version	Release	~	
		UART port	/dev/ttyS4()	~	
		Baud rate			
		Baud rate	115200	~	
Profile Save			are		
Store	Profile on myCNC Server		ies		
Profile Load		Version available:			
Profile Name to Load	1280M5	Build for:			
Controller UID	46e87ccd238e1f29				
Date	2017-1201-063605	~			
Screen					
Macros					
PLC					
Variables			Download and Update Software		
Load	Profile from myCNC Server				

Your profile name, controller unique ID and current date and time are stored with all profile data. You will be able to restore data exactly for your machine (pair profile-controller ID) and selected date.

To Restore profile from myCNC Server

- Profile Name to Load Current profile name is filled automatically.
- **Controller UID** Your Controller unique ID is filled automatically.
- Date Select date to load from ComboBox
- Select which components of the profile you like to restore from myCNC Server
 - Screen screen configuration files like "cnc-screen.xml", diagnose-xml", "editor.xml", "parking.xml" etc
 - Macros macro files from "Macro" folder
 - PLC plc folder with all Hardware and Software PLC files
 - Variables All current settings from "cnc-variables.xml"

For example Screen, macros and PLC are selected to restore from myCNC Server

nycnc.noip.me	Select Board Firmware Version UART port Baud rate	myCNC-ET7 Release /dev/ttyS4() 115200	> > >		
	UART port	/dev/ttyS4()			
	Baud rate	115200	~		
Setting					
		Update Firmware			
	Software Update				
myCNC Server		Check Updates			
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1280M5	Build for:				
46e87ccd238e1f29					
2017-1201-063605 ~					
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	nyCNC Server 1280M5 46e87ccd238e1f29 2017-1201-063605 ~	nyCNC Server I280M5 46e87ccd238e1f29 2017-1201-063605	Update Firmware Update Update Firmware Software Update Check Updates Version available: Build for: Build for:	Update Firmware update Firmware Software Update Software Update Update Firmware Version available: Build for: 2017-1201-063605	Update Firmware Build for: 2027-1201-063605

- Press "Load Profile from myCNC Server" to load selected profile data.
- Press OK in confirmation dialog

Enable Access to CNC Host (Computer for Technical Sup	port Team	Firmware Update Select Board	myCNC-ET7	~]
Tech Support Server	mycnc.noip.me		Firmware Version	Release	~	1
			LIADT port	Identifies #13		5
Defaul Profile Save	t Support Setting	Will be updated: * Screen XML coi * cnc-screen.xn * diagnose.xml etc * The Macros Fol * The PLC Folder configuration All your previous ti tis HIGHLY reco	nfiguration files like nl	figuration on the Server		
	Profile on myCNC Server	** ARE YOU SUR	E? **			
Profile Load						
Profile Name to Load	1280M5					
Controller UID	46e87ccd238e1f29					
Date	2017-1201-063605					
Screen						
Macros						
Macros PLC						

To Update profile from myCNC Server

Note You may wish to update your profile to the last version from your myCNC Server.

1. Updating Screen files make sense since you would get a new look of your
profile
2. Updating Macros and PLC is completely up to you. You may update it if you
didn't
make any changes in PLC or Macros
3. !!! Never !!! update cnc-variables because you will lose all your
settings data
and will need to set up system again (like pulse per unit settings and
other)

- **Profile Name to Load** Current profile name is filled automatically.
- **Controller UID** Put "*" symbol to get the last **Default** version of your profile.

	(13:08:23) myCNC con	trol software. Ver:1.88.2099- [/ht	ome/sk/DNC/CUSTOMERS/INIK/2017-11/ни	13.NC]	
Enable Access to CNC Host Co	mputer for Technical Support Team	Firmware Update			
		Select Board	myCNC-ET7	~	
Tech Support Server	mycnc.noip.me	Firmware Version	Release	~	
		UART port	/dev/ttyS4()	~	
		Baud rate	115200	~	
			Update Firmware		
Profile Save		Software Update			
	ofile on myCNC Server		Check Updates		
Profile Load Profile Name to Load	1280M5	Version available: Build for:			
Controller UID	1				
Date	2017-1202-181024	~			
Screen					
Macros					
PLC .					
/ariables			Download and Update Software		
Load Prot	file from myCNC Server				

- Date Select the last date from the ComboBox
- Select which components of the profile you like to restore from myCNC Server
 - Screen screen configuration files like "cnc-screen.xml", diagnose-xml", "editor.xml", "parking.xml" etc
 - Macros macro files from "Macro" folder
 - $\circ~\mbox{\rm PLC}$ plc folder with all Hardware and Software PLC files
 - **Variables** Do NOT select variables when update the profile from myCNC Server.
- Press "Load Profile from myCNC Server" to load selected profile data.
- Press OK in confirmation dialog

Enable Access to CNC Host	Computer for Technical Sup	port Team	Firmware Update Select Board	myCNC-ET7	~	
Tech Support Server	mycnc.noip.me		Firmware Version	Release	~	
			UADT port	Idoutto CAD	· ·	
Defau	It Support Setting	Will be updated: * Screen XML con * cnc-screen.xm * diagnose.xml * user-m5.xml etc All your previous It is HIGHLY recor	data will be lost! mmended to save current confi e Profile on myCNC Server" but	guration on the Server ton.		
Profile Save						
Store	Profile on myCNC Server					
Profile Load						
	1280M5					
Profile Name to Load	*					
Profile Name to Load Controller UID						1
	2017-1202-181024					
Controller UID Date Screen	2017-1202-181024			~		
Controller UID Date Screen Macros	2017-1202-181024					
Controller UID Date Screen	2017-1202-181024			nload and Update Software		

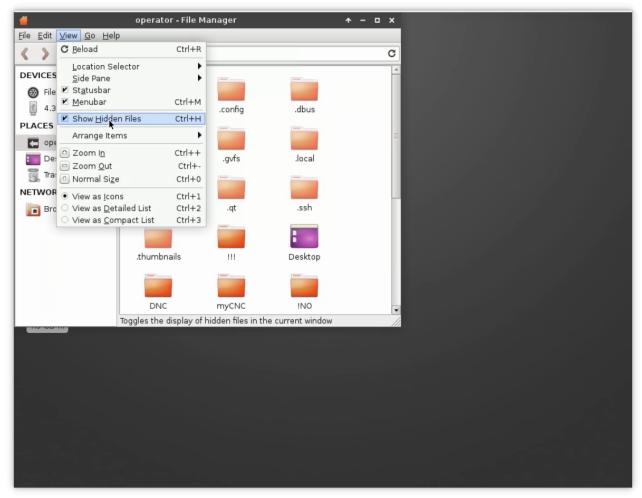
Manual restore Profile Configuration

A computer uses cache memory (RAM) while saving files to increase SD cards performance. The most frequently written file is **cnc-variables.xml**. In case of power failure profile configuration file "cnc-variables.xml" might be damaged. To restore profile configuration you can manually copy this file to profile folder from the archive. For example,

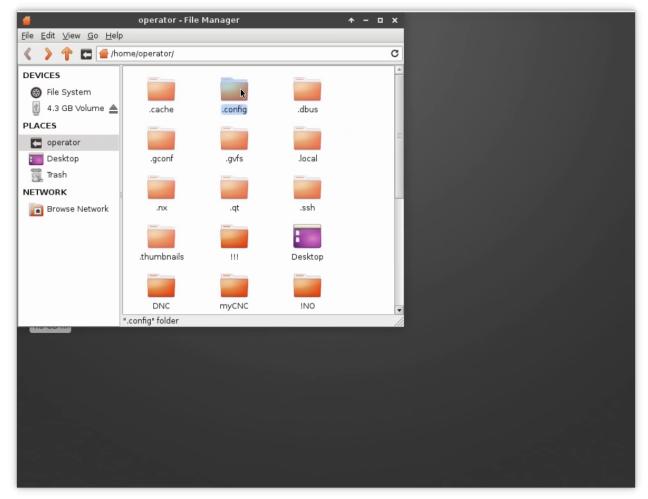
- put "cnc-variables.xml" file to USB disk and insert it into the SBC.
- Close myCNC software to see the desktop



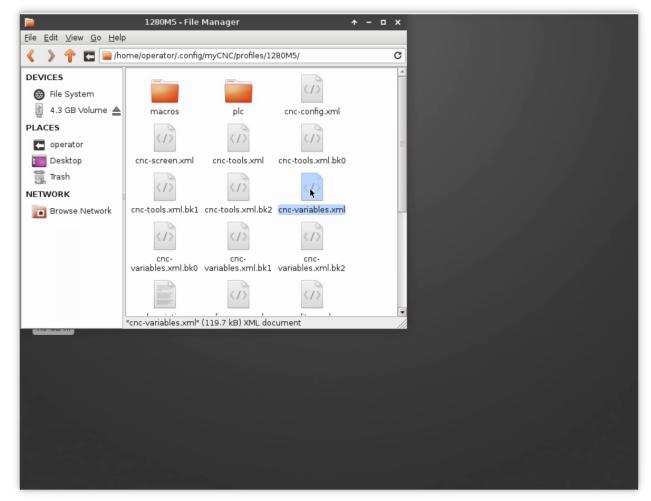
- Click on **Home** icon to open **User Home Folder** (usually it's "/home/operator") in a File Manager.
- Click "Show Hidden Files" checkbox in "View" menu to see Hidden files (files and foders in Linux systems started with dot symbol "." considered as "hidden", user configuration folder in Linux is ".config")



Goto "/home/operator/.config/myCNC/profiles_YOUR_PROFILE" folder



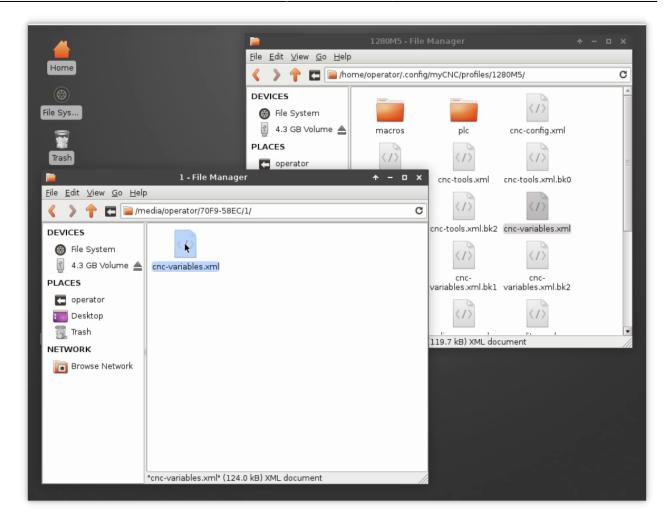
• Fnd cnc-variables.xml file



• Open another File Manager (press "Home" icon again), goto USB disk (you can find it in left lanel under "DEVICES" section

	📔 1280M5 - File Manager	·
	<u>File Edit View Go H</u> elp	
Home	A P E A provide the second se	orofiles/1280M5/ C
🛞 File Sys	DEVICES	c cnc-config.xml
Trash	PLACES	
File Edit View <u>Go</u> Help	Desktop cnc-screen.xml cnc-toc	ols.xml cnc-tools.xml.bk0
Interest of the second seco	nl.bk1 cnc-tools	.xml.bk2 cnc-variables.xml
DEVICES File System 4.3 GB Volume Cric-variables.xml 11.2 MB of 16.7 MB free (32% used) PLACES operator Desktop Trash NETWORK Browse Network 1 item (124.0 kB), Free space: 1	ر) s.xml" (119.7 kB	.xml.bk1 variables.xml.bk2

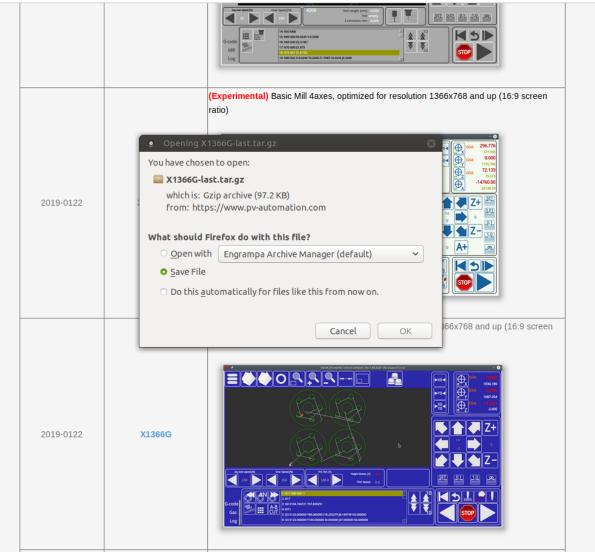
• Copy the file from USB to YOUR_PROFILE folder



Manual profile update

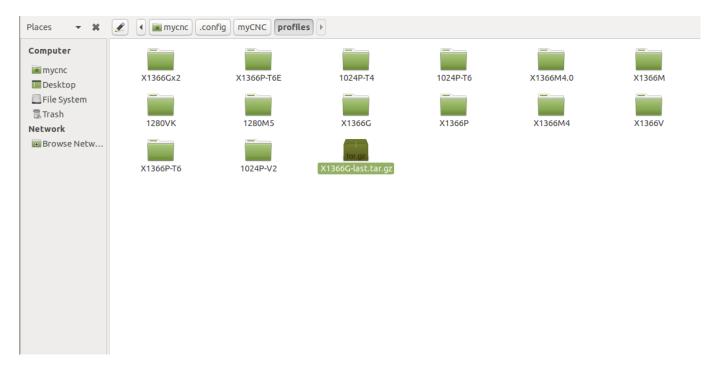
In case there is no recently updated version of the profile you are looking for on the server, you can manually download it from the main site. Please follow the instructions below to manually update your profile to the latest available version:

1. Go to the main site's Download page and scroll down to the **Profiles** section, then click on the profile you would like to update and select **Save**



Basic Plasma cutting profile (3 axes). optimized for resolution 1366x768 and up (16:9 screen

2. Copy the archive file that you have downloaded to home > .config > myCNC > profiles

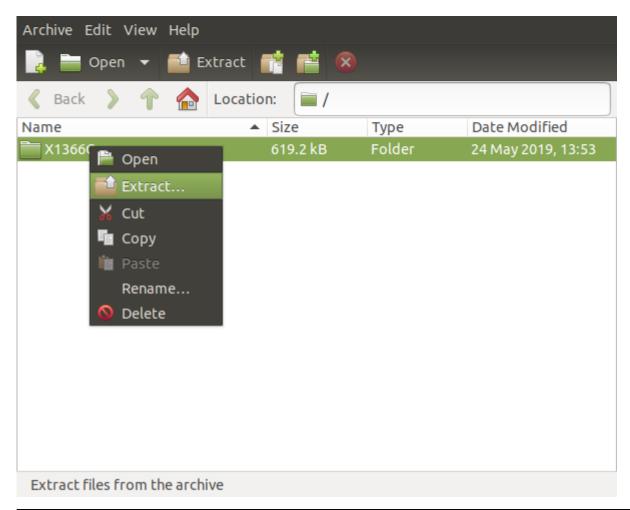


3. If you would like to keep your preferences from your previous profile, go to that profile's folder and

copy the **cnc-variables.xml** file over to your Desktop.

Image: Desktop Image: Desktop Image: Desktop Image: File System Image: Desktop Image: Desktop Image: Trash Image: Desktop Image: Desktop Image: Desktop Image: Trash Image: Desktop Image: Desktop Image: Desktop Image: Desktop Image: Desktop Image: Desktop Image: Desktop Image: Desktop Image: Desktop Image: Desktop Image: Desktop	Go Bookmarks Help > Forward 👻 个 😵) C 💽 📃 🗆 1009	6 🙆 Icon View	্		
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etwork cnc-variables.xml. cnc-variables.xml. <td></td> <td></td> <td></td> <td><1></td> <td></td> <td><1></td>				<1>		<1>
diagnose8.xml editor.xml gantry.xml user-gas-1366.xml user-plasma-1366. user-sp user-speed-acc-xy. user-speed-xy-z.xml user-speed-xy-z-a. user-speed-xy-z-a. user-speed-xy-z-a. user-sp xml user-speed-xy-z.xml user-speed-xy-z-a. user-speed-xy-z-a. user-speed-xy-z-a. user-sp user-spindle.xml x.style x.style.001 x.style.002 x-abcut.xml x-bottal	bk0					cutcharts-data.xml
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	x-coordinates.xn	nl x-gas.xml	x-jog.xml	x-menu-gas.xml	x-plasma.xml	x-player.xml
		2				

4. Extract the folder from the copied archive into the Profiles folder. If you want to add your previous settings from Step 3, replace the **cnc-variables.xml** file in your new profile folder with the one that you have copied to your desktop.

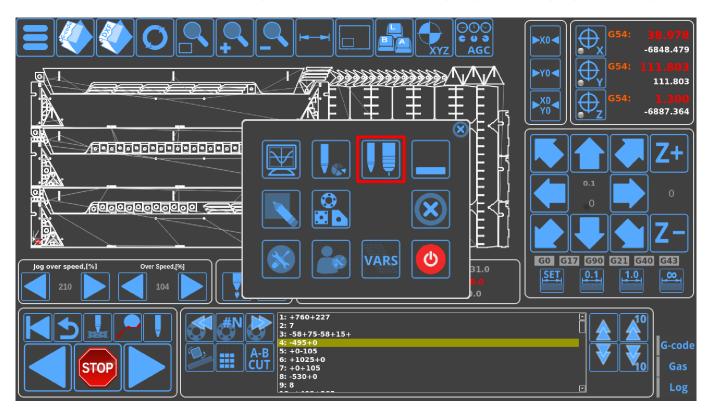


5. Relaunch myCNC software.

The manual profile update should now be complete.

Switching between plasma/gas profiles

To switch between profiles via the on-screen button (for example, such as the Switch Technology button present on the X1366P plasma and X1366G gas profiles), the user can simply click from the main software screen to confirm the profile switch without having to go into the program settings.



However, the Switch Technology button only works by allowing to switch between profiles that have been defined - it is therefore necessary to properly define the profile name if that name has been changed from the default (for example, when using a profile called CustomPlasmaProfile versus the default X1366P).

In order to do this, it is necessary to do a quick edit of the .xml files that contain the code for the menus for both respective profiles (in this case, our custom plasma and custom gas profiles).

- Head into the folder containing the myCNC profiles. On Ubuntu, it will be *home/.config/myCNC/profiles*.
- Head into the custom folder that you are using (in this example, it will be CustomPlasmaProfile and CustomGasProfile)

File Edit View Go 〈 Back ~ 〉 Fo		C 📷 💻 🗆 1009	6 💿 Icon View	Q				
Places 👻 🗱	🖉 🖣 🕅 mycnc	.config myCNC profil	es CustomPlasmaPro	file				
Computer mycnc Desktop File System Trash	X1366Gx2	X1366P-T6E	1024P-T6	1280VK	OLICUT-1317	1024P-V2	X1366M4.0	X1366Vphil
Network Browse Netw	X1366M4E	X1366M	X1366M4	X1366M6	X1366P	x1366V	1280M5_morbidelli	Kristall-05511-GZ- 2C-v1
	X1366GA	CustomGasProfile	CustomPlasmaProfi le	м309				
	2 folders selected (co	ontaining a total of 94 iten	ns), Free space: 10.6 GB					

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MyCNC profiles

• Head into the plasma profile (CustomPlasmaProfile), locate and open the x-menu.xml file in a text editor of your choice (Pluma is used in this example).

File Edit View Go 〈 Back 、 〉 Fo		C 📷 💻 😑 1009	6 💿 Icon View	Q				
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Computer mycnc Desktop File System Trash	macros	plc	plc.data	support	cnc-config.xml	cnc-screen.xml	cnc-tools.xml	cnc-tools.xml.sync
Network	cnc-variables.xml description	cnc-variables.xml. bk0 kiphi diagnose8.xml	cnc-variables.xml. bk1	cnc-variables.xml. bk2 c/> gantry.xml	cnc-variables.xml. bk9 user-plasma-1366. xml	cnc-variables.xml. reserved	cnc-variables.xml. sync creations creations user-spindle.xml	cutcharts-data.xml
	x.style	x.style.m	x.style.p	x-abcut.xml	x-bottab.xml	x-bottab-left-mill. xml	x-coordinates.xml	x-gstate.xml
	x-gstate2x3.xml	x-gstate6x1.xml	x-gstate6x1-0.xml	x-jog.xml	x-menu.xml	x-plasma.xml	x-player.xml	x-progress.xml
	x-rotate.xml	x-speed.xml	x-varsview.xml					
	"x-menu.xml" selected	l (4.8 kB), Free space: 10.0	6 GB					

• In the x-menu.xml file, search for the profile-change line

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37 <gitem <br="" height="80" image="tabs/user" position="110;210" where="x-menu" width="80" x-menu"="">30 40</gitem>	' <mark>tooltip=</mark> "User Settings" tooltip_ru="Настройк	ки пользователя" action="show-widget-user ^{**} type="button" />
<pre>41 <gitem <="" action="radio-confirm:profile-change" f10"="" height="80" image="tabs/buttor 42 hotkey=" position="210;10" pre="" text="X13666;X1366P" where="x-menu" width="80"></gitem></pre>	n-plasma-gas" tooltip= "Switch technology (plas	sma/gas)" tooltip_ru="Смена технологии (плазма/газ)"
42 notkey= Fi0 action= radio-confirm:profile-change text= X13000;X1300P 43 labelFontSize="14" fontSize="14" orientation="horizontal"		
44 type="button" >	• Find 🛛	
45 <confirm-message>Change Technology Profile</confirm-message>		
46 <confirm-message_ru>Сменить технологию резки</confirm-message_ru>	Search for: profile-change	
47		
48	Match case	
49		
50 51	Match regular expression	
<pre>2< <gitem 53<="" height="80" image="minimize" position="310;10" pre="" where="x-menu" width="80"></gitem></pre>	 Match entire word only 	программу" action="application-minimize" type="button" />
54 <gitem ac<br="" height="80" image="_close" position="310;110" where="x-menu" width="80">55 <confirm-message>Close CNC control application. Are you sure?</confirm-message>Close CNC control application.</gitem>	Search backwards	е myCNC" tooltip_ru= "Закрыть программу" type= "button" >
S6 <confirm-message_ru>Закрыть систему управления ЧПУ. Вы уверены?S7 </confirm-message_ru>		
58	Parse escape sequences (e.g. \n)	
59 <gitem <="" height="80" image="power-off" position="310;210" td="" where="x-menu" width="80"><td></td><td>the computer" tooltip_ru="Выключить питание машины" action="system-cmd-confirm"</td></gitem>		the computer" tooltip_ru="Выключить питание машины" action="system-cmd-confirm"
<pre>type="button" ></pre>	🗱 Close 🛛 🔍 Find	
60 <confirm-message>Turn off the machine Power. Are you sure?</confirm-message>		
61 <confirm-message_ru>Выключить питание машины. Вы уверены?</confirm-message_ru>		
62		
64		
<pre>65 <gitem <="" action="myw" height="80" image="menu" position="0;0" pre="" where="xp" width="80"></gitem></pre>		tooltip_ru="Oсновное меню" type="button" />

 In the text field, enter the correct names of your edited profiles (for example, CustomPlasmaProfile and CustomGasProfile) instead of X1366P and X1366G. The line would then look similar to the following:

```
<gitem where="x-menu" position="210;10" width="80" height="80"
image="tabs/button-plasma-gas"
tooltip="Switch technology (plasma/gas)" tooltip_ru="Смена технологии
(плазма/газ)"
hotkey="F10" action="radio-confirm:profile-change"
text="CustomGasProfile;CustomPlasmaProfile"
labelFontSize="14" fontSize="14" orientation="horizontal"
type="button" >
<confirm-message>Change Technology Profile</confirm-message>
<confirm-message_ru>Сменить технологию резки</confirm-message_ru>
</gitem>
```

<gitem where="x-menu" position="218;10" width="80" hat the "Don" inser-"the (hitter place" fooltip="Switch technology (plasma/gas)" tooltip_ru="Смена технологии (плазма/газ)" hotkey="F10" action="radio-econfirm:profile-change" text= CustonGasProfile;CustonPlasmaProfile" labelFontStze="14" ontStze="14" ortentation="hotXoutact" type="button" > <confirm-message_ru>

- Save the x-menu.xml file.
- Head into the gas profile (CustomGasProfile in case of this example) and navigate to the x-menu-gas.xml file.

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ices 🔻 🗱	🗶 🖣 📠 mycnc . d	config myCNC profile	CustomGasProfile	2				
omputer mycnc Desktop	macros	plc	plc.data	support	cnc-config.xml	cnc-screen.xml	cnc-variables.xml	<pre>cnc-variables.xm bk0</pre>
File System Trash twork Browse Netw	cnc-variables.xml. bk1	cnc-variables.xml. bk2	cnc-variables.xml. bk9	cnc-variables.xml. reserved	cnc-variables.xml. sync	cutcharts-data.xml	description	۲) diagnose8.xml
	editor.xml	Func_ihc.h	۲۶) gantry.xml	د المعالم user-gas-1366.xml	user-gas-1366-x2.	د المعام (المعام) user-plasma-1366.	user-speed.xml	<pre>user-speed-acc-x</pre>
					xml	xml		xml
	user-speed-xy.xml	user-speed-xy-z.xml	user-speed-xy-z-a. xml	user-speed-xy-z-a-b. xml	user-speed-xy-z-c. xml	user-speed-xy-z- probe.xml	user-spindle.xml	x.style
	x-abcut.xml	x-bottab.xml	x-coordinates.xml	x-coordinates3g. xml	x-gas.xml	x-gas2.xml	x-gstate.xml	x-gstate2x3.xm
						<1>		
	x-gstate6x1.xml	x-gstate6x1-0.xml	x-jog.xml	x-jog-g2.xml	x-jog-g2-r90.xml	x-menu-gas.xml	x-plasma.xml	x-player.xml
	x-rotate.xml	x-speed.xml	x-varsview.xml					

- Once again, locate the profile-change line and change the text field to contain the correct names of the new profiles.
- Save the x-menu-gas.xml file
- Reload the myCNC application

At this point, the Switch Technology button will allow for an easy switch between the profiles you have chosen:

	FX0 ■ FX0 ■ G54: 1	0.000 0.000 0.000 0.000 0.000
Change Technology Profile CustomGasProfile CustomPlasmaProfile Custom		∠+ ∘ Ζ-
Jog over speed,[%] 210 104 104		G43
Image: Stope in the state		G-code Gas Log

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Last update: 2019/12/02 11:06