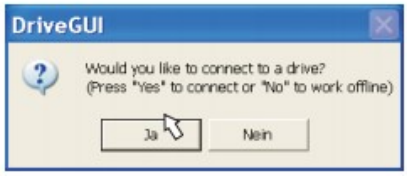
How to Upload the Kollmorgen S300 a Parameters to file

8.3.2 Connect

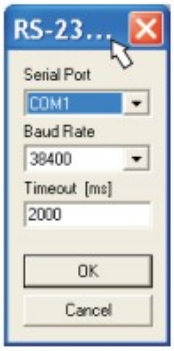
- Connect the interface cable to a serial interface on your PC and to the serial interface X6 of the servo amplifier. USB to serial converter can be used optionally.
- Switch on the 24 V power supply for the servo amplifier.
- Wait about 30 seconds, until the front display of the servo amplifier displays the current class (e.g. 8.8.8. for 48 A) If the power supply voltage is switched on, too, a leading P is displayed (e.g. P.8.8. for Power, 48 A).

NOTE If a fault code (8.8.8.) or a warning (8.8.8.) or a status message (./_ / E/S) appears in the display, you will find the description on page 114 / 115.
If a fault message appears, fix the problem.

Double-Click the DRIVEGUI.EXE icon on your Windows desktop to start the software.



You can work offline or online with DRIVEGUI.EXE.
Work ONLINE now.

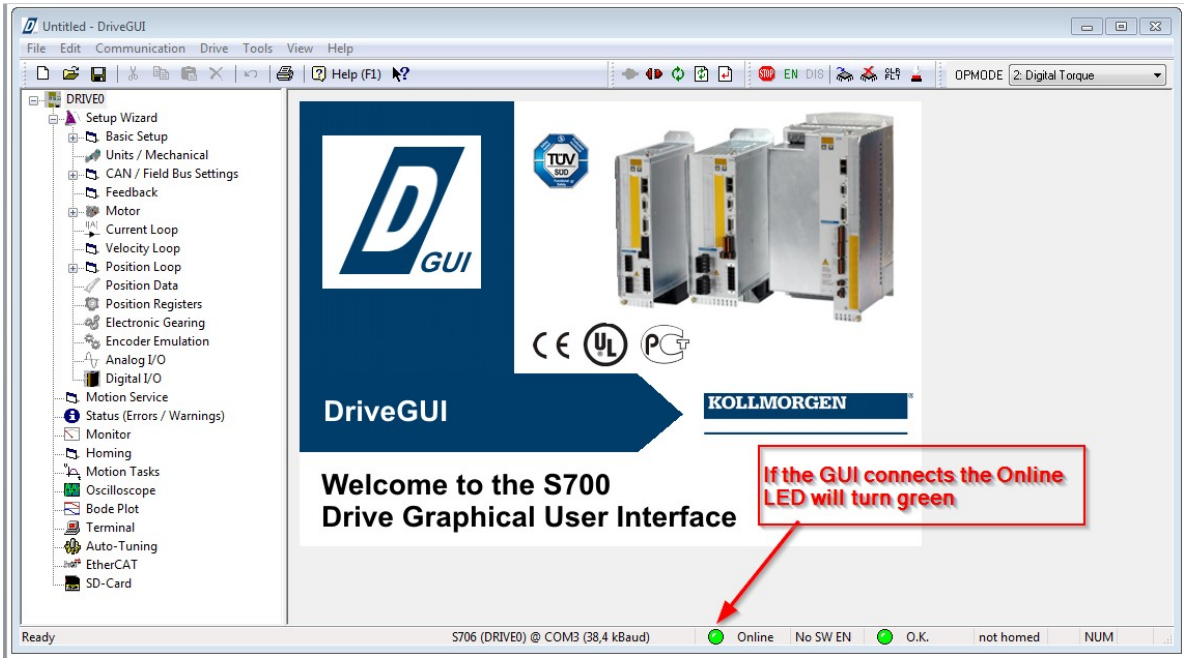


If the communication is started for the first time, you have to setup the communication parameters.
Choose the communication system and the interface, where the servo amplifier is connected to.
Click OK.

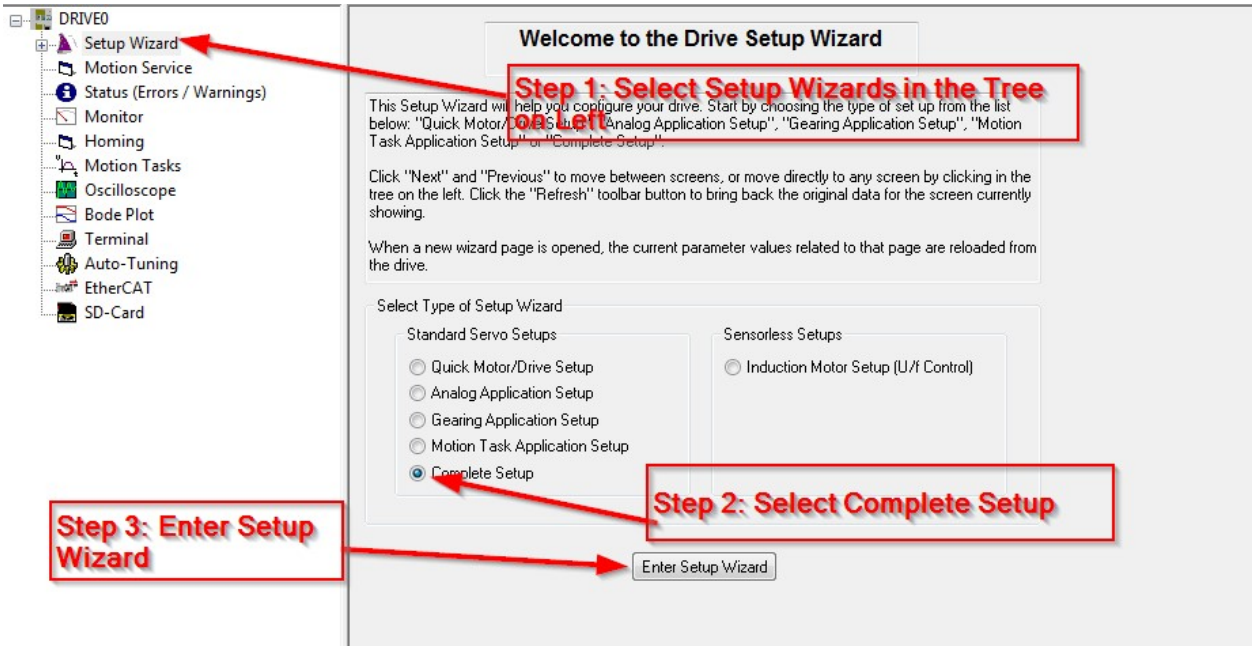
The software tries to communicate with these parameters. If it's not successful, you receive this error message:

Frequent causes:
- wrong interface chosen
- wrong connector chosen at the servo amplifier
- interface is used by another software
- 24 V auxiliary voltage for the servo amplifier not working
- interface cable broken or wrong wiring

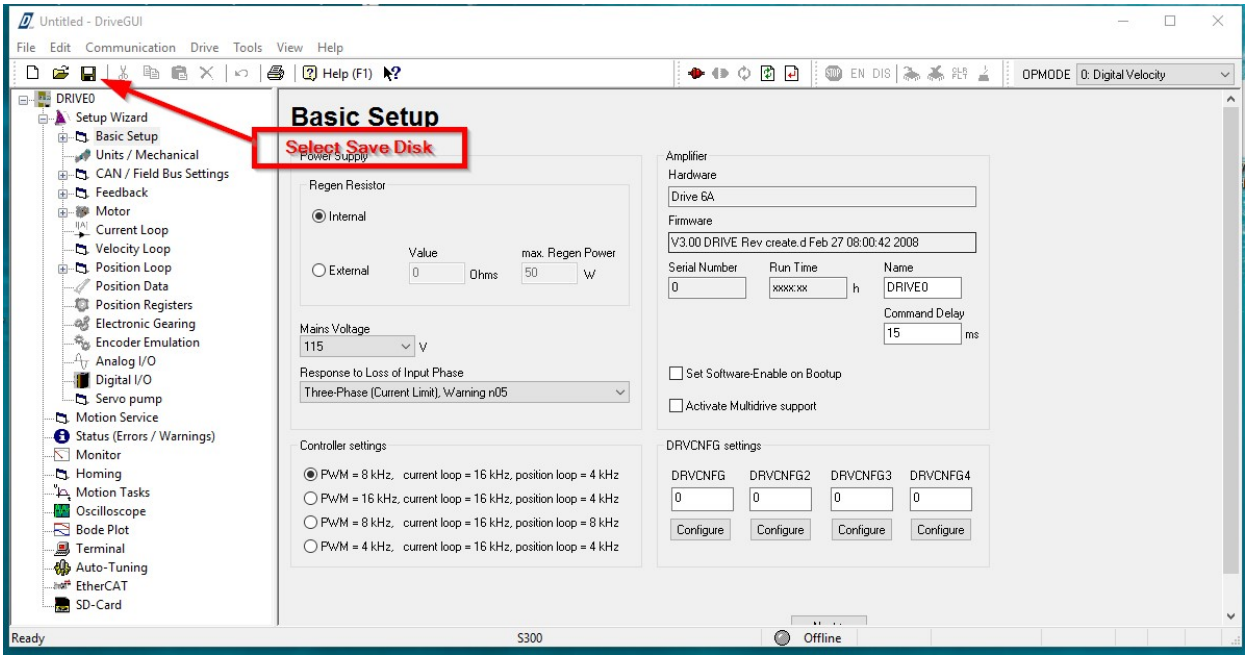
Quit the error message. The software starts in the offline mode now, that requires the manual selection of the amplifier's type. Quit this selection by closing the window.
Fix the communication problem. Restart the software in Online mode.



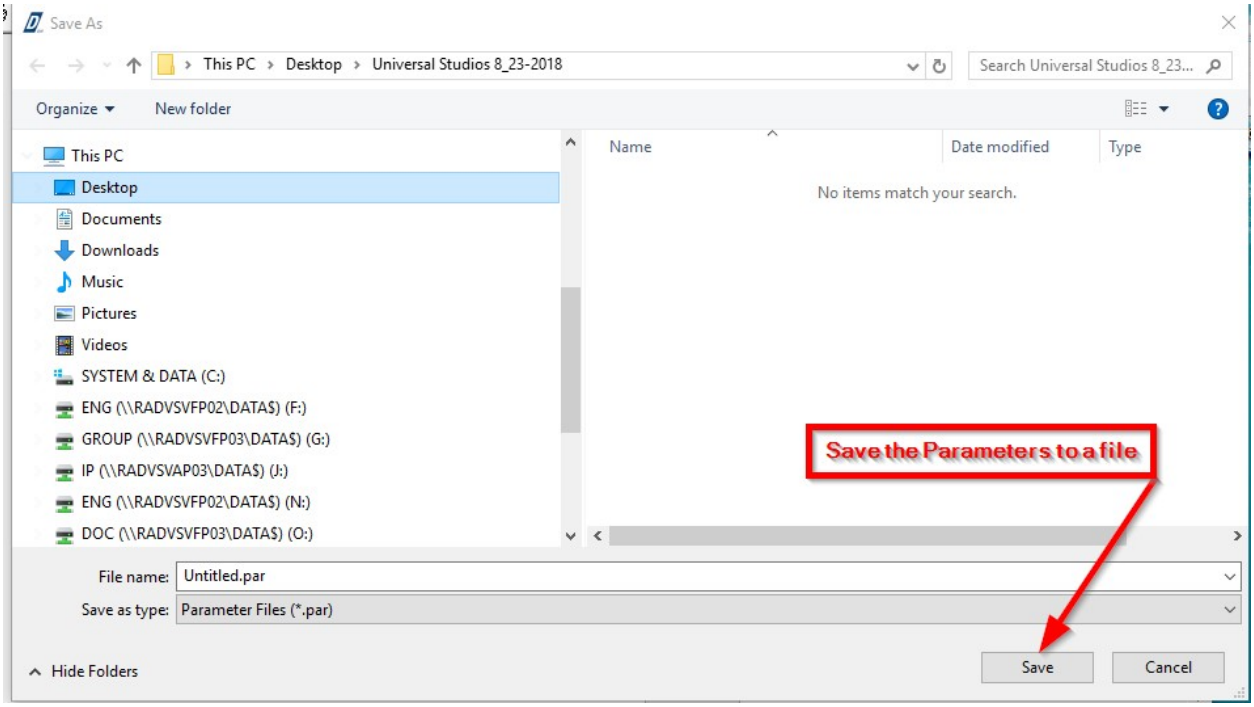
When the GUI opens and connects to the S700 drive it will look similar to screen shown above. The Online LED will turn green if the drive is communicating with the GUI.



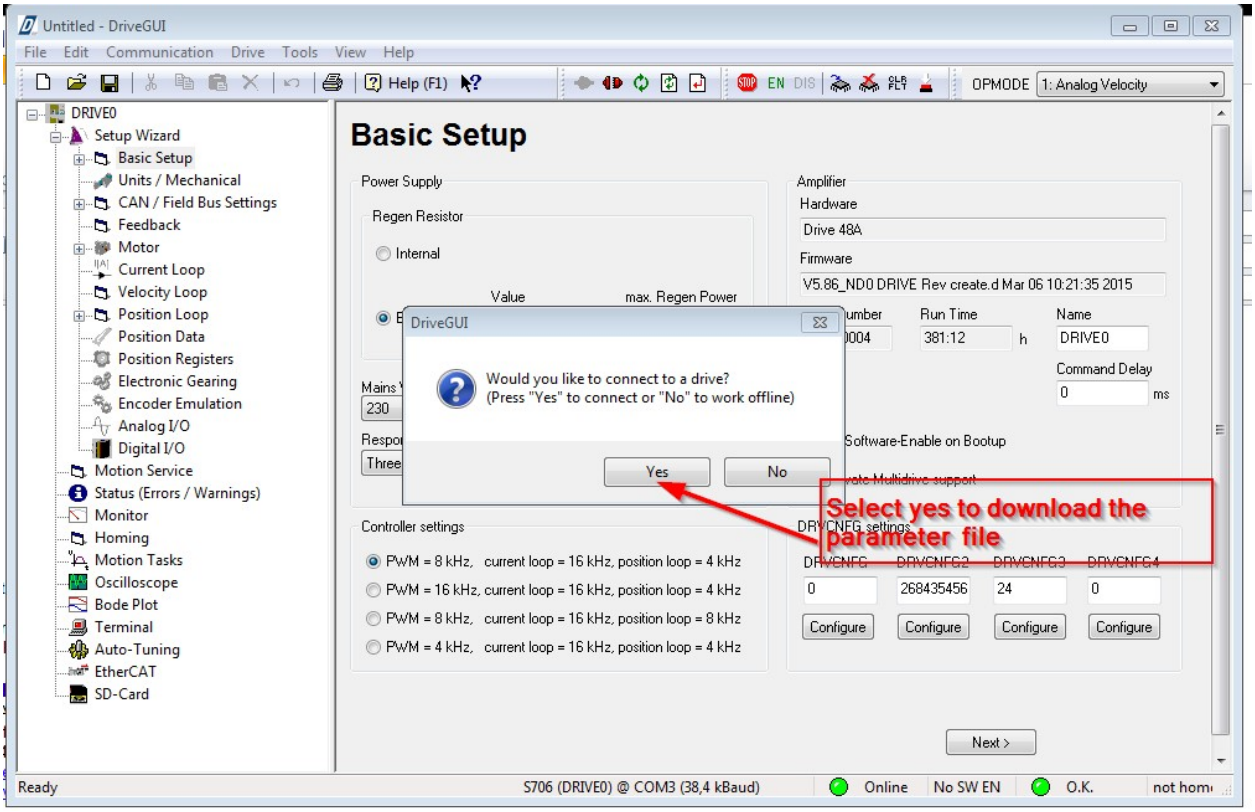
Select the Setup Wizzard in the Tree of the GUI



Select the Save Disk at the top left of screen



Select where to save parameters on the computer and give the file a name


Untitled - DriveGUI
File Edit Communication Drive Tools View Help
Help (F1)
OPMODE 1: Analog Velocity
DRIVE0
Setup Wizard
Basic Setup
Units / Mechanical
CAN / Field Bus Settings
Feedback
Motor
Current Loop
Velocity Loop
Position Loop
Position Data
Position Registers
Electronic Gearing
Encoder Emulation
Analog I/O
Digital I/O
Motion Service
Status (Errors / Warnings)
Monitor
Homing
Motion Tasks
Oscilloscope
Bode Plot
Terminal
Auto-Tuning
EtherCAT
SD-Card
Basic Setup
Power Supply
Regen Resistor
Internal
Value
max. Regen Power
Amplifier
Hardware
Drive 48A
Firmware
V5.86_ND0 DRIVE Rev create.d Mar 06 10:21:35 2015
Run Time
381:12
h
Name
DRIVE0
Command Delay
0
ms
Software-Enable on Bootup
DriveGUI
Would you like to connect to a drive?
(Press "Yes" to connect or "No" to work offline)
Yes
No
Select yes to download the parameter file
Controller settings
PWM = 8 kHz, current loop = 16 kHz, position loop = 4 kHz
PWM = 16 kHz, current loop = 16 kHz, position loop = 4 kHz
PWM = 8 kHz, current loop = 16 kHz, position loop = 8 kHz
PWM = 4 kHz, current loop = 16 kHz, position loop = 4 kHz
DRVCNFG settings
DRVCNFG2
DRVCNFG3
DRVCNFG4
0
268435456
24
0
Configure
Next >
Ready
S706 (DRIVE0) @ COM3 (38,4 kBaud)
Online
No SW EN
O.K.