

Masser Loader V3.0.0

user manual 18.05.2020

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1. MASSER LOADER

Caliper software installation and parameters file transfer between caliper and PC is performed by using Masser Loader -PC software. Measuring data and reports can also be transferred from caliper and received to computer with Masser Loader.

Latest version of software can be found from address: http://www.masser.fi/support/

1.1 Masser Loader PC-software installation

Start the installing program of Masser Loader – software. **Do not connect** USB-Serial port adapter and cable to caliper or to PC during Masser Loader installation. Follow installing program's guide and accept the definitions of install program.

USB-adapter and serial cable driver are installed during Masser Loader program install. Once program asks to install driver for caliper connection, select and press "Install". Updated USB-adapter driver is installed automatically.

Installing program will open following display if used computer has previous USB-driver settings and installations. It is possible to select settings for new driver install. Choose and accept previous driver's **Modify** on driver install.

Masser Loader 3.0.0 Setup	PL2303 USB-to-Serial Driver Installer Program X
USB-Serial port driver installation	Welcome Modify, repair, or remove the program.
Click Install, if you want to install USB-Serial port driver.	Welcome to the PL2303 USB-to-Serial Setup Maintenance program. This program lets you modify the current installation. Click one of the options below. Modify
Install USB-Serial port driver	Select new program features to add or select currently installed features to remove.
	Repair Reinstall all program features installed by the previous setup.
After USB-Serial port driver installation press Next to continue.	Remove Remove all installed features. InstallShield
< Back Next > Qancel	Next> Cancel

Driver installing could require to restart computer. Save files and close other opened programs before computer is restarted!



1.2 Software main menu and functions

Connect caliper to PC with serial cable before starting Masser Loader software. USB-adapter and cable serial port (COM) number are identified and chosen automatically. Serial port is named "*COMX Masser Caliper*".

Start Masser Loader software from exemplar desktop icon.

😽 Masser Loa	ader			_		×
Open file	Settings	Manual				
		/		Rece	eive	
	X			Load Pr	ogram	
				Caliper	Control	
				Ex	it	
Masser Oy - 2 www.masser			Versi	on 3.0.0		



Software functions: Receive Load Program Caliper Control Exit	Receive measuring data from caliper to PC Load program to caliper Parameters file transfer to caliper (optional function) Close program
Open file	Open previously transferred and saved file from PC
Settings	Program settings: Terminal window codepage, Excel field delimiter mark and language settings
Manual	Program user manual



1.3 Receive caliper results and reports to PC

Select Receive from main menu. Program will open separate Receive data -window:

😽 Receive data		×
Start	Cancel	Close
Settings		
Serial port		Serial speed
COM3 Masser Caliper	•	9600 👻
Info		
Status		
Received: 0		

Start	Open and start data transfer receive display
Cancel	Abort data transfer
Close	Close Receive data -window and return to main menu

Check used serial port number (if several serial ports are used with calipers) and used data transfer speed. Serial speed must be same as selection in caliper settings.

After start next data transfer Receive window will open. From Receive-window it is possible to save transferred or opened file to text format (.txt), Excel-format (EXCEL) and print current display. Receive window data can also be cleared and set to be modified (modifying on-off). Close Receive-window by pressing Exit (program returns to previous Receive data -window).

🛪 Receive					- 0	×
Save (TXT)	Save (EXCEL)	Print	Clear	Modify	Exit	
T PVM NRO KPL KPIT M3 E 15.05.2020 00001 0001 413 0.139						^



1.4 Loading a software to caliper

Select Load Program from main menu. Program will open separate loading window:

🛪 Masser Loader		– 🗆 X
Program C:\Masser\Harvester control\StanForD2010_M Serial port COM3 Masser Caliper	Caliper Excaliper II / Sonar Caliper / WRC II Racal II / TWC II	Open
	C Excaliper / 2000GR / 45GR / WRC TWC / Racal / RC2 / RC3H BT Caliper 2000EX	Close

Open	Browse and open software to be loaded to caliper
Load	Load chosen software to caliper
Close	Close loading window and return to main menu

Loading a program:

1. Select loaded software (.HEX-file) with "Open" or choose software from Program drop-down menu (menu will save previously loaded software file paths to menu).

2. Select right serial port for data transfer.

Serial port
COM3 Masser Caliper 🔹
COM3 Masser Caliper

3. Select right caliper model from options (Excaliper II).

4. Set caliper ready for software loading.

a) Shut off caliper.

b) Press **Toggle switch (1)** upwards and hold it up during caliper start. Once toggle switch is pressed up, press **[ENTER]-button (2)**.

c) **Toggle switch** and **[ENTER]**-button can be released once caliper screen will show specific identification display from caliper program version.





5. Caliper display allows four different functions:

RUN PROGRAM
INSTALL
MEMORY TEST
SHUTDOWN

Start caliper software (if already previously installed) Load new software to caliper Check and verify caliper memory Shut off caliper

Select **INSTALL** with toggle switch and accept by pressing **[ENTER]**. Caliper is now ready for software install.

6. Start software loading from Masser Loader. Press "Load".

Software user license is checked after software is loaded to caliper. Once caliper license information is ensured, Masser Loader will show notification "Loading is ready!".

7. Start caliper program by pressing [ENTER]-button on the caliper handle.



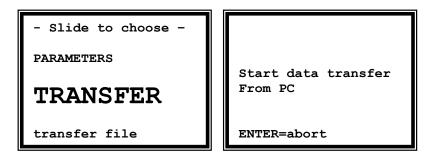
1.5 Parameters file transfer to caliper

In some caliper software parameters file can be transferred to caliper after the software has been loaded. Parameters file is transferred separately e. g. for different measuring forms or with different identification data. For example, parameters file for wood sortiments, quality grades and log rejection faults are transferred in log gauge control measuring.

1. Select Caliper Control from Masser Loader -program main menu.

💐 Masser Loa	ader			_		\times
Open file	Settings	Manual				
		/		Rece	ive	
			Lo	ad Pro	ogram	
			Ca	liper C	Control	
				Exi	t	
Masser Oy - 2 <u>www.masser</u>			Version 3.0	.0		

- 2. Press "Caliper Control"-button and Masser Caliper Control -subprogram will start.
- 3. Set caliper ready to receive parameters and transfer files.



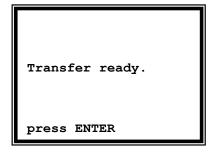


4. Check that USB-adapter and serial cable is connected.

5. Press "Siirto"-button (Transfer) on Caliper Control program. Program will transfer current display which is opened and edited in Caliper Control.



6. Once transfer is ready, caliper display will show next display.



More accurate guide of Masser Caliper Control -program interface will be found from separate individual manual.



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