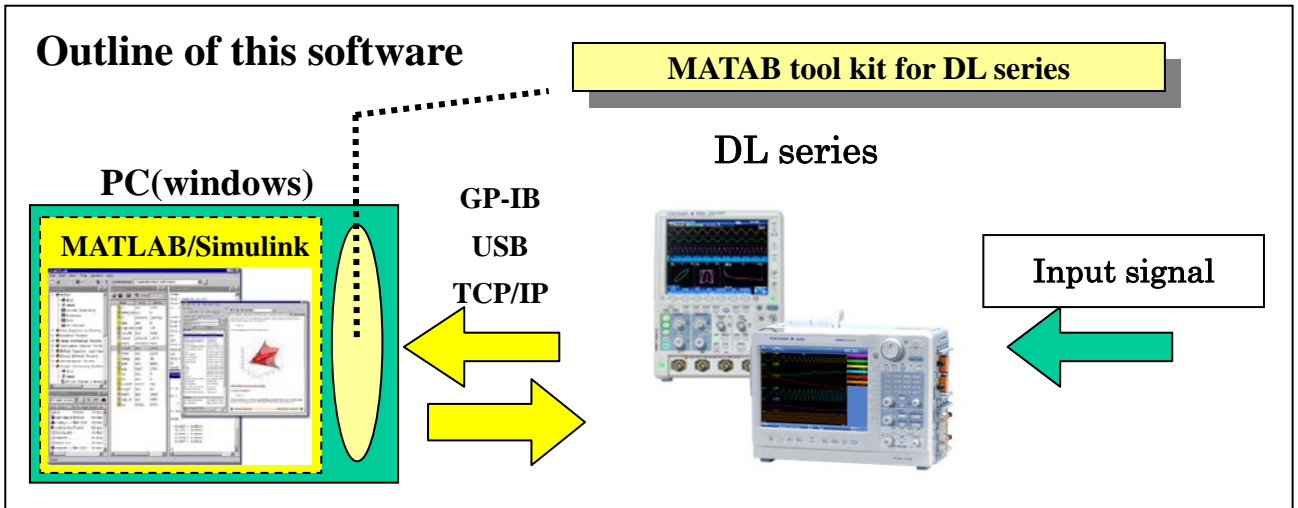
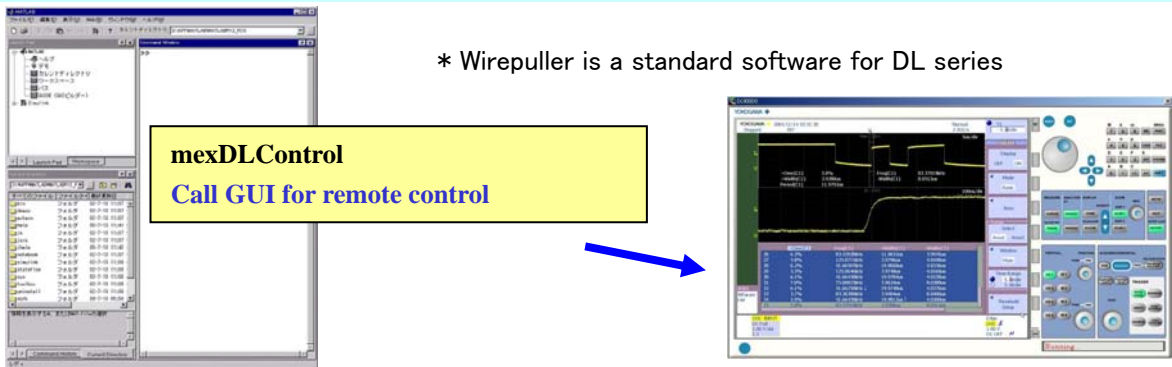


MATLAB tool kit for DL series

MATLAB tool kit for DL series is a plug in software for the MATLAB. The software can be used to control supported DL series from MATLAB or to acquire data from the DL series to MATLAB via communication interface such as USB.. You can easily import captured data into the MATLAB with this software.

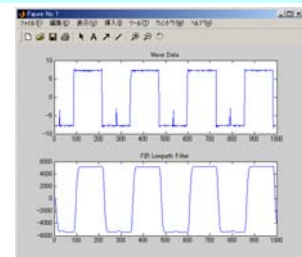


You can activate Wirepuller(*) from the MATLAB environment by simple function call.



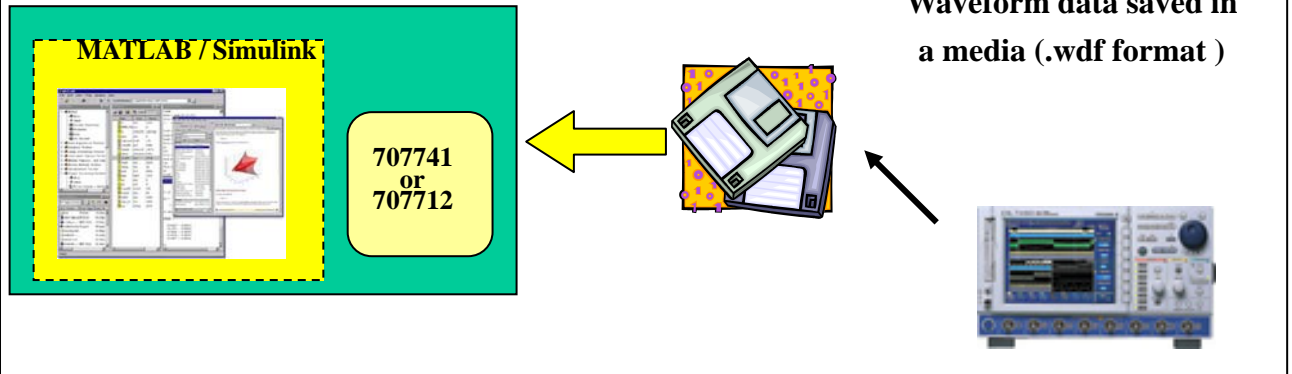
You can control the supported DL series from the shell of the MATLAB. You can also download data from the DL directly to matrix of the MATLAB.

(Above) plot of DL data acquired by the mexDLGetWave command.
(below) FIR filter is applied to the above.



Data saved in binary format of the supported DL series (.wdf format or .wvf format) can be directly imported into the MATLAB matrix.

You need to have either WE control API (707741, sold separately) or WVF file access API (707712, sold separately) in addition to the MATLAB tool kit for DL series (701991) for this feature. If you do not have either one of them, please purchase the WVF file access API (707712).



Specifications

Supported OS

Windows XP (SP2 or later), Windows Vista (32-bit), Windows 7 (32-bit)

Supported MATLAB version

MATLAB R2011b or later

※ MATLAB toolbox is not required

Supported DL series

DL1600 series, DL1700E series, DL7400 series, DL750 series, SL1400, DL90000 series, SB5000 series, DLM2000 series, DL6000/DLM6000 series, DL850/DL850V, SL1000

(Logic data captured by all models above, except DL850/DL850V, are not supported.)

Models

Name	Model
MATLAB tool kit for DL series	701991
WVF file access API	707712

The WVF file access API (707712) is required only for handling data saved in various media in the WVF or WDF format. When you transfer waveform data via communication interface such as the USB, you do not need this API.

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List of Functions (excerpt)

Command	Function
Communication configuration related command	
mexDLComStart	Establish connection to the selected DL
mexDLComEnd	Close connection to the selected DL
mexDLSetTimeout	Set timeout for communication
mexDLSetTerm	Set terminator for communication
mexDLSetRen	Set the selected DL to Remote/Local
Status related command	
mexDLCheckEnd	Check whether or not the message is delivered
mexDLGetLastError	Return the latest error number
Command Receive/Send from DL	
mexDLDeviceClear	Execute Device clear
mexDLSend	Send message to DL
mexDLReceive	Receive data from DL
mexDLGetWave	Acquired waveform data from DL
mexDLGetHistoryWave	Acquire history data from DL
WirePuller activation	
mexDLControl	Activate DL remote control GUI