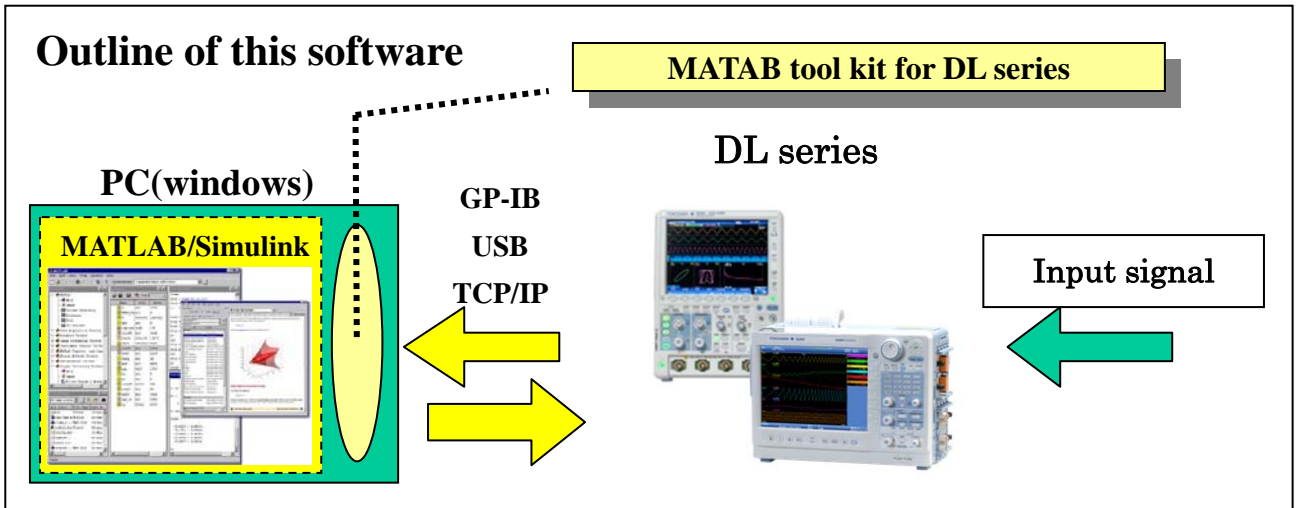
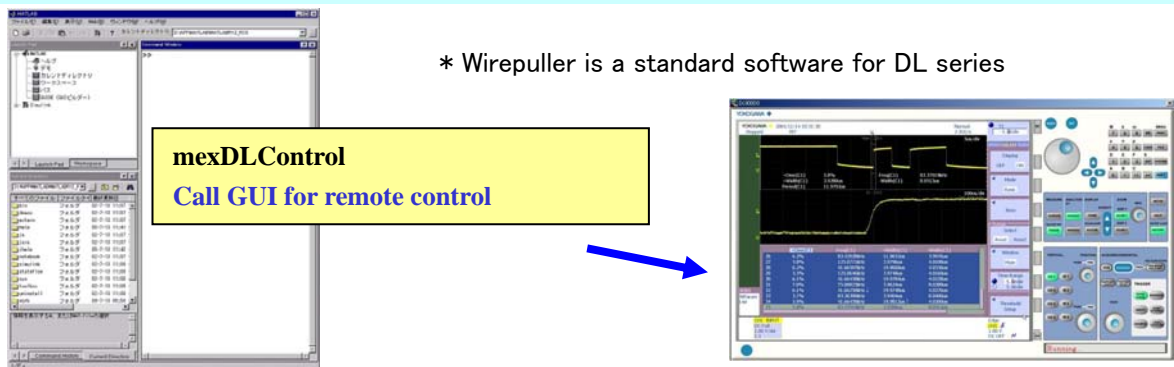


MATLAB tool kit for DL series

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.

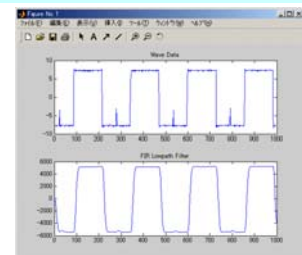


You can activate Wirepuller(*) from the MATLAB environment by simple function call.



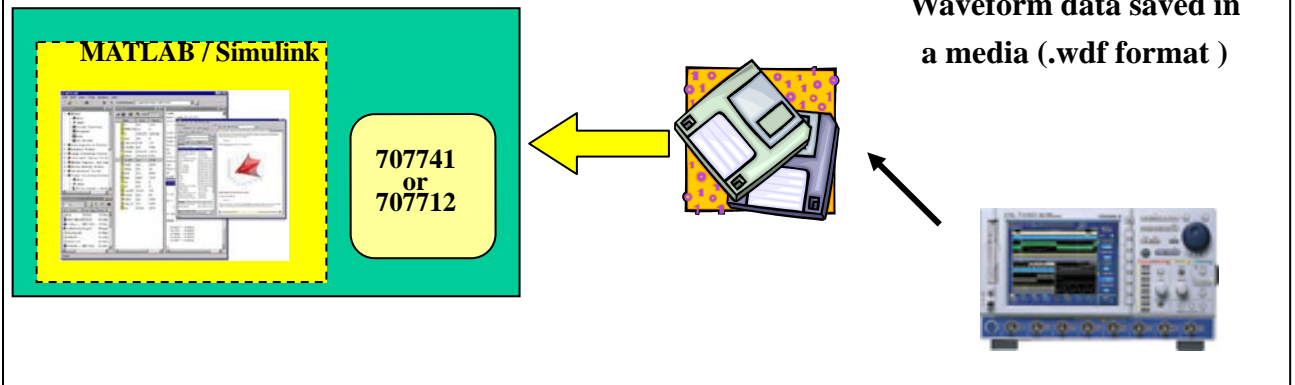
You can control the supported DL series from the shell of the MATLAB. You can also download data from the DL directly to matrix of the MATLAB.

(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 R2010b or later
※ MATLAB toolbox is not required

Supported DL series

DL1600 series DL1700E series DL7400 series
DL750 series SL1400
DL9000 series SB5000 series
DLM2000 series DL6000/DLM6000 series
DL850/DL850V SL1000

(Logic input of all instruments, the 720220 and 720240 modules of DL850/DL850V are not supported.)

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

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 |

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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YOKOGAWA METERS & INSTRUMENTS CORPORATION
Global Sales Dept. /Phone: +81-42-534-1413 Facsimile: +81-42-534-1426
E-mail: tm@cs.jp.yokogawa.com
YOKOGAWA CORPORATION OF AMERICA Phone: (1)-770-253-7000, Fax: (1)-770-254-0928
YOKOGAWA EUROPE B.V. Phone: (31)-88-4641000, Fax: (31)-88-4641111
YOKOGAWA ENGINEERING ASIA PTE. LTD. Phone: (65)-62419933, Fax: (65)-62412606

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