

THE MEASURABLE DIFFERENCE.



DEWETRON



OXYGEN TRAINING > DATA SOURCES

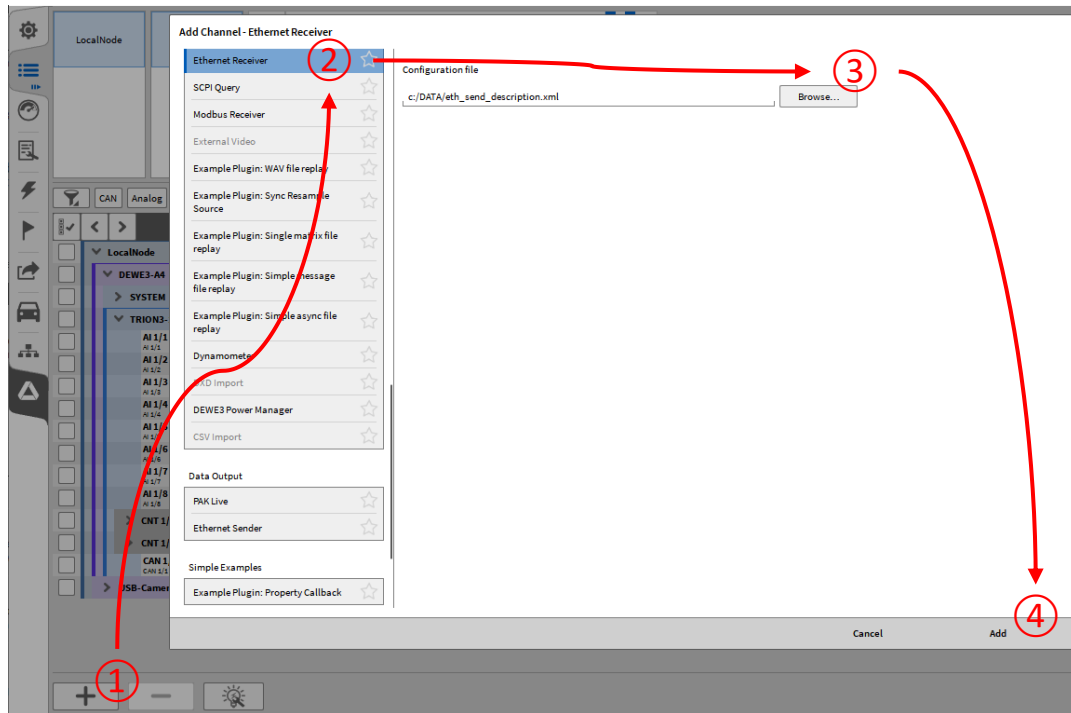




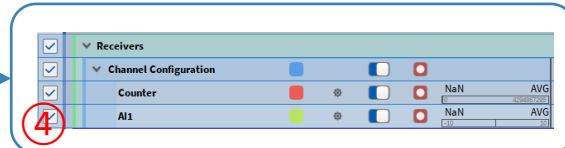
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ETHERNET RECEIVER

- 1 Add Channel
- 2 Go to Data Sources -> Ethernet Receiver
- 3 Choose the Channel Configuration File .XML
- 4 Add the Ethernet Receiver



```
<?xml version="1.0"?>
<Receiver xmlns="http://xml.dewetron.com/receiver">
  <DataStream>
    <!-- Receive all packets on UDP port 1021 -->
    <UDPSource port="1021" />
  </DataStream>
</Receiver>
```



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- The screenshot shows the 'Add Channel - Modbus Receiver' dialog box. The 'Data Input' section has 'Modbus Receiver' selected (circled 2). The 'Modbus configuration file' is set to 'c:/Users/TMlug/Desktop/MOVBUS_DEIF_v1.1.xml' (circled 3). The table below shows the units to be used:
- | Unit | Host | Port | Unit id | Channels |
|----------------|---------------|------|---------|----------|
| MyEndpoint | 192.168.80.10 | 502 | | tbd |
| Unit_MyDevice1 | | | 1 | |
- The 'Add' button at the bottom right is highlighted with a red circle labeled 4. A red arrow points from the 'Add' button to a red circle labeled 1 at the bottom left of the software interface.



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CSV IMPORT

① Add Channel (offline mode, *.dmd)

② Go to Data Sources -> CSV Import
Possible in PLAY Mode (Viewer)

③ Select CSV File

④ Select:

- CSV delimiter
- Decimal separator
- First row as channel name
- Relative or Absolute time
- Or a sample rate, if CSV has no time column
- Time Offset and type

Add Channel(s)

A channel group will be created for each CSV File

Each Data column will be assigned to a separate channel

Add Channel - CSV Import

Modbus Receiver

External Video

Example Plugin: WAV file replay

Example Plugin: Sync Resample Source

Example Plugin: Single matrix file replay

Example Plugin: Simple message file replay

Example Plugin: Simple file replay

Example Plugin: Simple async file replay

Dynamometer

CSV Import ②

Simple Examples

Example Plugin: Property Callback

Protocols

XR/CPAD Decoder

ORD2

Selected CSV file: ds:/DATA/m_111107_20220603_305.csv Select CSV file... ③

CSV delimiter , ☒ First row as channel name

Decimal separator . Channel Unit Unit in channel name []

☒ 1st column as time

Relative time

☐ Equidistant

☐ Samplerate

10 Hz

Offset Type Relative 0 s

CSV cell-split preview (shows the header and up to first 5 lines, 5 first cells)

Time [s]	Tuning Fork [mV/V]	Sig Generator [V]		
2.900000	154.710302037615			
2.900100	193.991434215989			
2.900200	214.698565882359			
2.900300	225.249542310807			
2.900400	219.306243616715			

Cancel Add

④



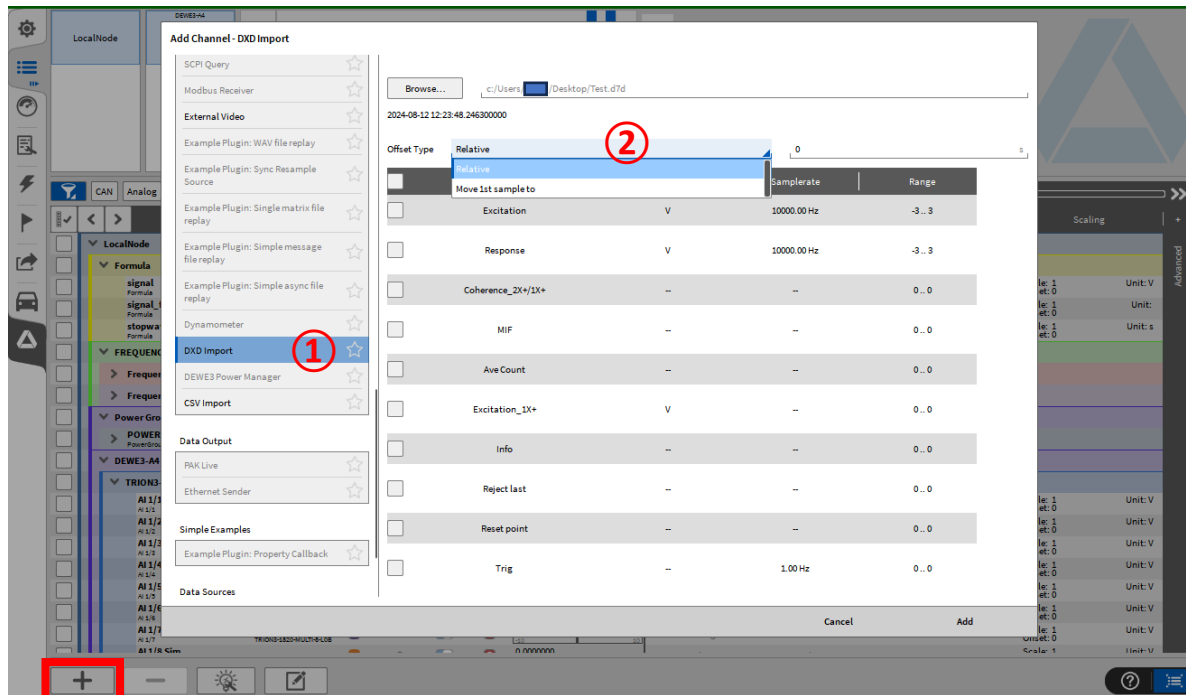
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Import *.dxd and *.d7d data

- ① Add DXD Import channel (offline mode, *.dmd)
- ② Choose offset type: Data can be shifted by relative time and absolute time (move 1st sample to)

Supported channels: Synchronous and asynchronous time domain channels





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Header Search

- 1 Go to Open Data File
- 2 Choose the “Search Files”
- 3 Click on „Configure“
- 4 Add all paths, where recordings should be searched. If necessary, enable search of the subfolder of the selected directories.
- 5 Add one or several header search conditions with the “+” button.
To change from “AND” to “OR” logic, click on the buttons.
- 6 Select one or more recording files and open them

*The header search is used to quickly skim through many OXYGEN data recordings *.dmd via search for specific header or header combinations*

Folder to scan

Folder	Subfolder Search
C:/DATA	☒
Z:/SCPL_DST	☐

Search Data File

1 Search Folders Selected

Configure...

Header	Value	Link
step_size	40	
Frequency	square_50_kHz_Sample_Rate	
L1_freq	360	
L1_AC_dis_freq	1000	
L1_phase_shift	5	
Name	400_Dreieck	

Logic: AND

Name	Size	Date
C:/DATA/m_20240417_11153_118.dmd	14.5 MB	2024-04-17 11:19
C:/DATA/m_20240417_111627_117.dmd	15.4 MB	2024-04-17 11:16
C:/DATA/m_20240417_11153_116.dmd	10.1 MB	2024-04-17 11:11
C:/DATA/m_20240417_11153_116.dmd	8.9 MB	2024-01-08 14:33

Open Data File

Data Folder: c:/DATA

System: C:/, V:/, Z/

Buttons: Browse..., Search Files..., Cancel, Open