DEWETRON

OXYGEN TRAINING
> DATA SOURCES

PUBLIC

ETHERNET RECEIVER

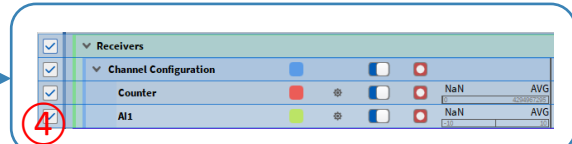|	
①	Add Channel
②	Go to Data Sources -> Ethernet Receiver
③	Choose the Channel Configuration File .XML
④	Add the Ethernet Receiver
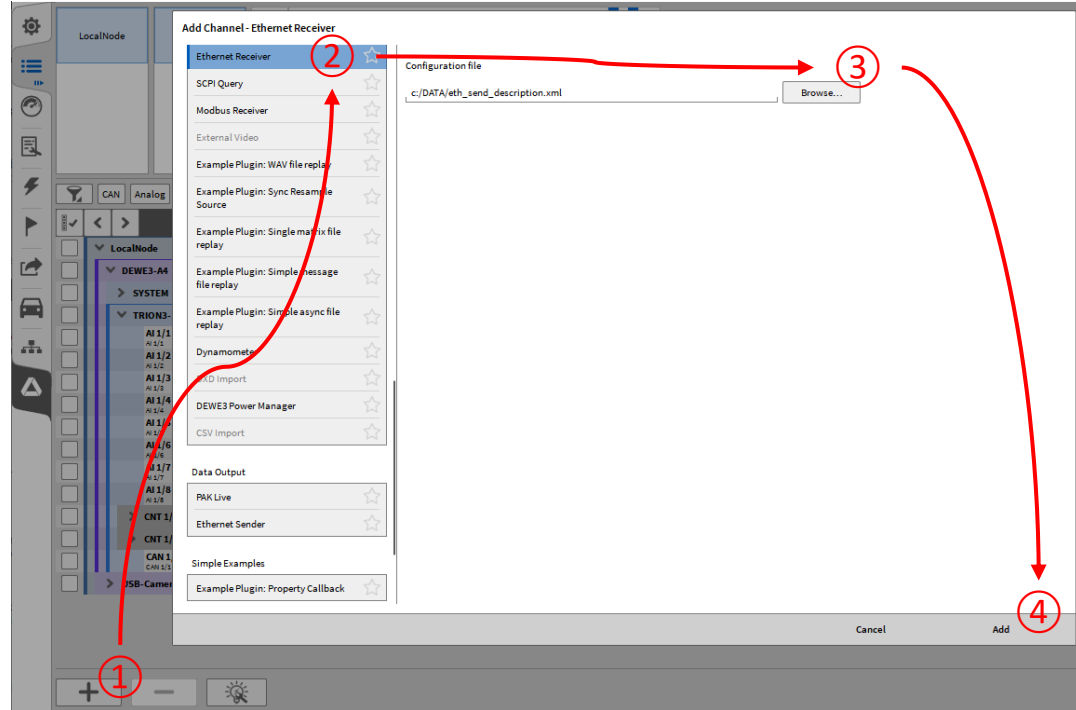
```xml
<?xml version="1.0"?>
<Receiver xmlns="http://xml.dewetron.com/receiver">
 <DataStream>
  <!-- Receive all packets on UDP port 1021 -->
  <UDPSource port="1021" />
   ...
```

MODBUS RECEIVER

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

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

OBD2

Selected CSV file: d:/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			

④

Cancel   Add

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

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*