

PDO MAP 1
Intro 1
ESI File 1

PDO MAP

× ESI

PDO Map

Intro

The screenshot shows the 'Configurator' software interface. It features a top menu bar with 'Setup', 'Main', 'Address', and 'Config' tabs. Below the menu is a toolbar with icons for Scan, ScanError, Download, Upload, Save, Load, Compare, Net 0, Topology, NetInfo, SlaveInfo, ProcessData, and SlotInfo. The main workspace is divided into several panels:

- Scanned List:** Shows three slave devices: #00 [02FFh] MASTER-DC, #01 [0001h] R88D-KN01H-ECT (highlighted), and #02 [0002h] R88D-KN01H-ECT.
- SyncManager:** A table listing synchronization managers with columns for SM, Size, and Type.

SM	Size	Type	
<input checked="" type="checkbox"/>	0	256	MBoxOut
<input checked="" type="checkbox"/>	1	256	MBoxIn
<input checked="" type="checkbox"/>	2	12	Outputs
<input checked="" type="checkbox"/>	3	28	Inputs
- PDO List:** A table listing PDO mappings with columns for Index, Size, Name, and SM.

Index	Size	Name	SM
0x1600	8	1st receive PDO Mapping	
0x1701	12	258th receive PDO Mapping	2
0x1702	19	259th receive PDO Mapping	
0x1703	17	260th receive PDO Mapping	
0x1704	23	261th receive PDO Mapping	
0x1705	19	262th receive PDO Mapping	
0x1A00	22	1st transmit PDO Mapping	
- PDO Assignment:** A table for assigning PDOs to SMs. The entry for SM 0x1701 is selected and highlighted with a red box.

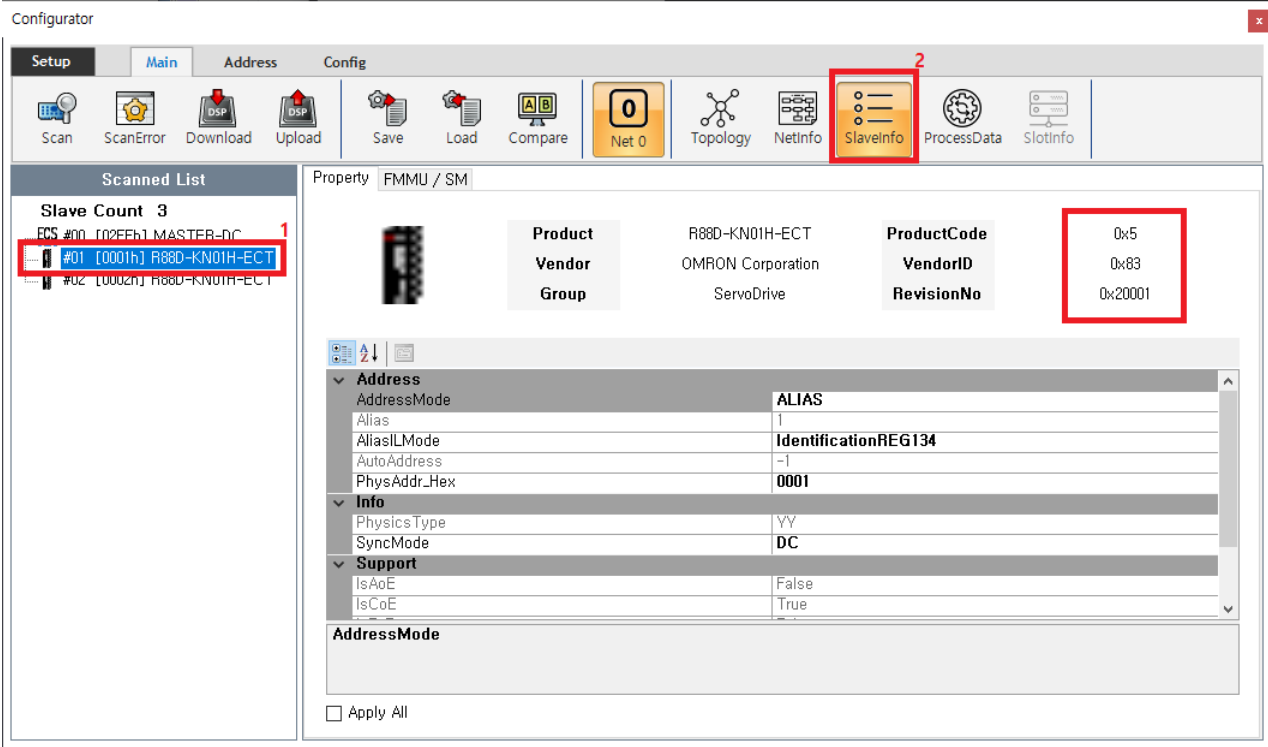
SM	Index	Size	Type
<input type="checkbox"/>	0x1600		
<input checked="" type="checkbox"/>	0x1701		
<input type="checkbox"/>	0x1702		
<input type="checkbox"/>	0x1703		
<input type="checkbox"/>	0x1704		
<input type="checkbox"/>	0x1705		
- PDO Contents (0x1701):** A table showing the contents of the selected PDO.

Index	Size	Name	Type
0x6040:00	2	Controlword	UINT
0x607A:00	4	Target position	DINT
0x60B8:00	2	Touch probe function	UINT
0x60FE:01	4	Physical outputs	UDINT

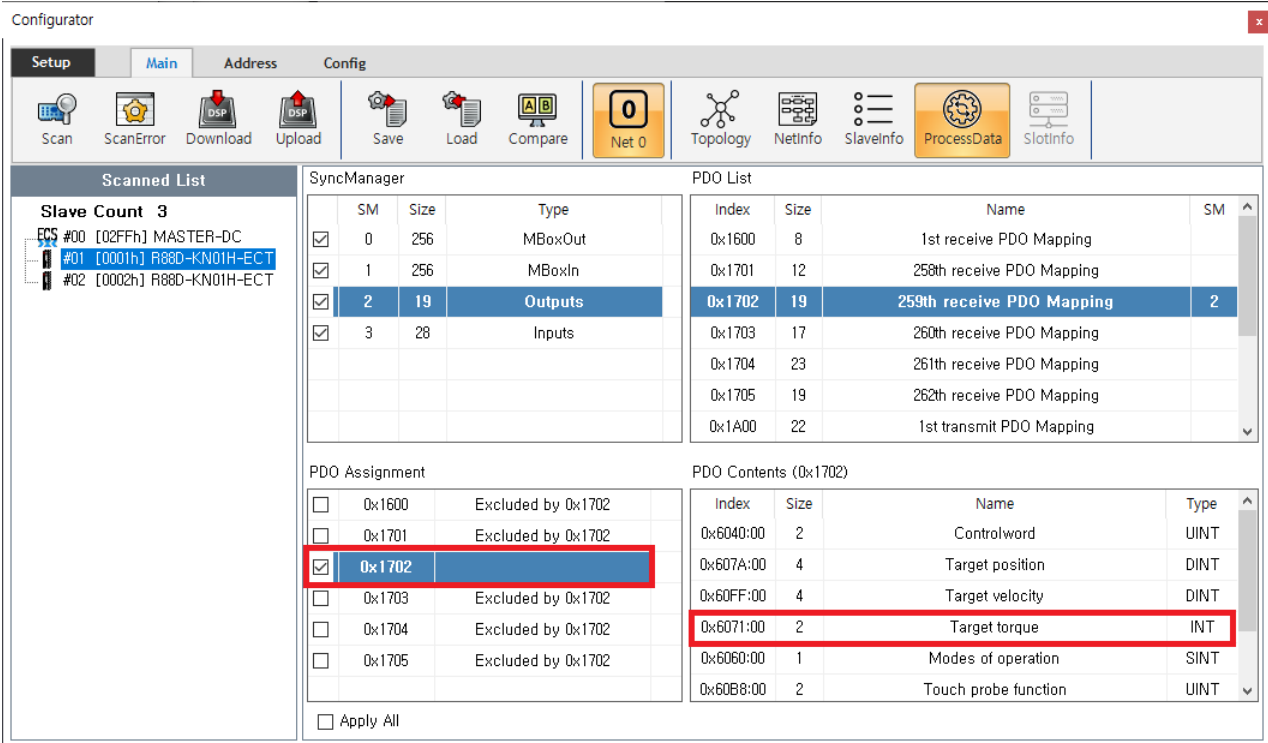
- SCAN
 - 'PDO Assignment' 가 ESI ¹⁾
- 'PDO Contents'
 - 'Current Torque' PDO Map, 'Target Torque'
- SCAN
 - esi, ESI

ESI File

- OMRON
 - Torque
- PDO Map



- 'SlaveInfo' ProductCode, RevisionNo



- 'ProcessData' PDO Map
- 'Target Troque' Map : **0x1702**

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <EtherCATInfo Version="1.4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLoca
3   <Vendor FileVersion="100">
4     <!--1.00:NewRelease-->
5     <Id>#x83</Id>
6     <Name LcId="1033">OMRON Corporation</Name>
7     <Name LcId="1041">オムロン 株式会社</Name>
8     <ImageData16x14>424DD6020000000000000360000002800000100000000E00000010018000000000A0020000000000
9   </Vendor>
10  <Descriptions>
11    <Groups>
12      <Group SortOrder="100">
13        <Type>ServoDrive</Type>
14        <Name LcId="1033">Servo Drives</Name>
15        <Name LcId="1041">サロボドライブ</Name>
16        <ImageData16x14>424DD60200000000000360000002800000100000000E00000010018000000000A002000
17      </Group>
18    </Groups>
19    <Devices>
20      <Device Invisible="0" Physics="YY">
8135    <Device Invisible="0" Physics="YY">
16250   <Device Invisible="0" Physics="YY">
24365   <Device Invisible="0" Physics="YY">
32480   <Device Invisible="0" Physics="YY">
32481   <Type ProductCode="#x00000005" RevisionNo="#x00020001">R88D-KN01H-ECT</Type>
32482   <HideType ProductCode="#x00000005" RevisionNo="#x00020001">R88D-KN01H-ECT</HideType>
32483   <HideType ProductCode="#x00000005" RevisionNo="#x00020000">R88D-KN01H-ECT</HideType>
32484   <Name LcId="1033"><![CDATA[R88D-KN01H-ECT G5 Series ServoDrive/Motor]]></Name>
32485   <Name LcId="1041"><![CDATA[R88D-KN01H-ECT G5 シリコズ サロボドライブ/モータ]]></Name>
32486   <Comment LcId="1033">200V/100W ServoDrive</Comment>
32487   <Comment LcId="1041">200V/100W サロボドライブ</Comment>
32488   <URL LcId="1033">http://www.ia.omron.com/</URL>
32489   <URL LcId="1041">http://www.fa.omron.co.jp/</URL>
32490   <Info>
32491     <StateMachine>
32492     <Timeout>

```

- XML Editor²⁾ esi , ProductCode RevisionNo가

The screenshot displays the configuration for a Servo Drive device. The XML code on the left includes parameters like ProductCode, RevisionNo, Name, Comment, and URLs. The graphical interface on the right provides a structured view of the device's capabilities:

SyncManager			
SM	Size	Type	
<input type="checkbox"/>	0	256	MBoxOut
<input checked="" type="checkbox"/>	1	256	MBoxIn
<input checked="" type="checkbox"/>	2	12	Outputs
<input checked="" type="checkbox"/>	3	28	Inputs

PDO List			
Index	Size		
0x1600	8		
0x1701	12		256
0x1702	19		2
0x1703	17		2
0x1704	23		2
0x1705	19		2
0x1A00	22		

PDO Assignment		
Index	Size	Assignment
<input type="checkbox"/>	0x1600	Excluded by 0x1701
<input checked="" type="checkbox"/>	0x1701	0x6040:00 2
<input type="checkbox"/>	0x1702	Excluded by 0x1701
<input type="checkbox"/>	0x1703	Excluded by 0x1701
<input type="checkbox"/>	0x1704	Excluded by 0x1701
<input type="checkbox"/>	0x1705	Excluded by 0x1701

• '<RxPdo Fixed="0">'

◦ 'Sm="2"

가

'SyncManager' Outputs

The screenshot displays a configuration interface for a CANopen node. On the left, XML code is shown with line numbers from 19 to 40533. The code includes device information, product codes, and PDO assignments. A red arrow points to the attribute `<RxPdo Fixed="1" Sm="2">` in the XML. On the right, a 'SyncManager' table is overlaid, showing a list of Sync Manager (SM) entries. The entry with SM=2 and Size=19 is highlighted with a red box and labeled 'Outputs'. Below this, a 'PDO List' table shows the mapping of PDO indices to sizes and addresses. The entry for index 0x1702 with size 19 is also highlighted. Below the SyncManager table, a 'PDO Assignment' table shows that index 0x1702 is selected, while others are excluded. A 'PDO Contents' table shows the data format for index 0x1702.

SM	Size	Type	
<input checked="" type="checkbox"/>	0	256	MBoxOut
<input checked="" type="checkbox"/>	1	256	MBoxIn
<input checked="" type="checkbox"/>	2	19	Outputs
<input checked="" type="checkbox"/>	3	28	Inputs

Index	Size	Address
0x1600	8	1st re
0x1701	12	258th r
0x1702	19	259th re
0x1703	17	260th r
0x1704	23	261th r
0x1705	19	262th r
0x1A00	22	1st tra

Index	Size	Content
0x6040:00	2	
0x607A:00	4	T
0x60FF:00	4	T
0x6071:00	2	T
0x6060:00	1	Mod
0x60B8:00	2	Touc

• 'Sm="2"

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The screenshot displays an XML configuration for a servo drive. The XML includes device identification, group type (`<GroupType>ServoDrive</GroupType>`), and various parameters like `<Sm MinSize>`, `<Sm MaxSize>`, and `<RxPdo Fixed>`. A configuration window is overlaid on the XML, showing the 'SyncManager' settings where SM 3 is selected for 'Inputs'. The 'PDO List' table shows index 0x1703 selected. Below, the 'PDO Assignment' table shows 0x1B01 selected, and the 'PDO Contents (0x1B01)' table shows the mapping of data to index 0x1B01.

- '`<TxPdo Fixed="0">`'
- '`Sm="3"`' 가
- 'SyncManager' Inputs
- Configurator SCAN

1)
 .xml
 2)

Notepad, Notepad++, Ultra Editor

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