

CAN Bus CANopen Slave

Supported series: CAN Bus 2.0a / CAN Bus 2.0B device.

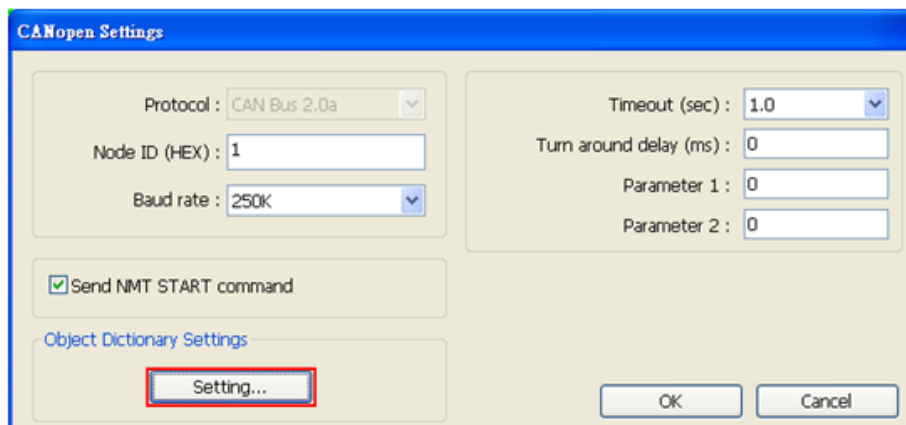
HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	CAN Bus CANopen Slave		
Node ID	1	1~127	
Baud rate	250K	10K~1M	

Online simulator	NO	Extend address mode	NO
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Follow the steps to import EDS file.

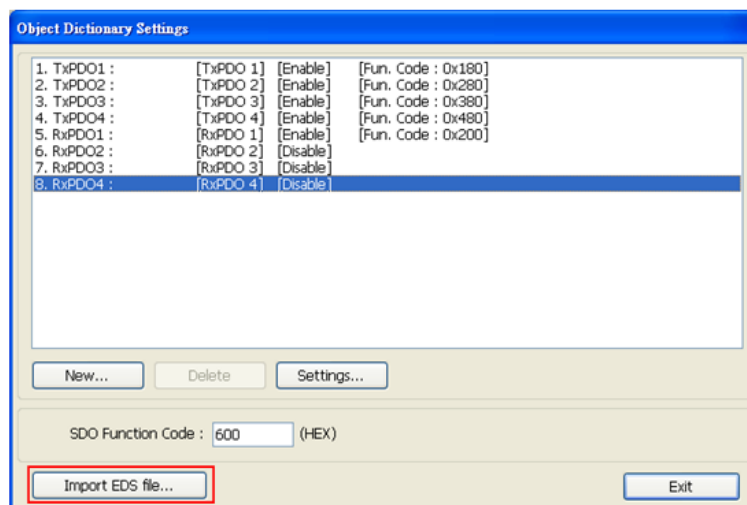
Step 1. Object Dictionary Settings -> Setting



The screenshot shows the 'CANopen Settings' dialog box. It contains several configuration fields:

- Protocol: CAN Bus 2.0a (dropdown)
- Node ID (HEX): 1 (text input)
- Baud rate: 250K (dropdown)
- Timeout (sec): 1.0 (dropdown)
- Turn around delay (ms): 0 (text input)
- Parameter 1: 0 (text input)
- Parameter 2: 0 (text input)
- Send NMT START command
- Object Dictionary Settings section with a 'Setting...' button highlighted in red.
- OK and Cancel buttons at the bottom right.

Step 2. Import EDS file.

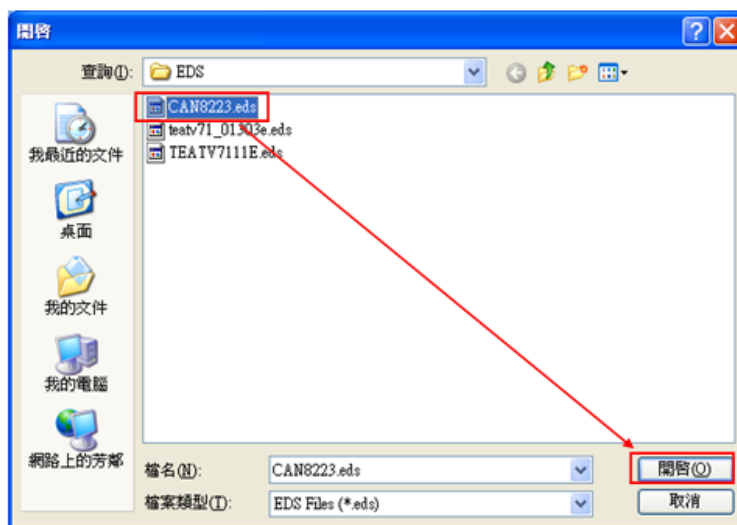


The screenshot shows the 'Object Dictionary Settings' dialog box. It features a table of object dictionary entries:

1. TxPDO1 :	[TxPDO 1]	[Enable]	[Fun. Code : 0x180]
2. TxPDO2 :	[TxPDO 2]	[Enable]	[Fun. Code : 0x280]
3. TxPDO3 :	[TxPDO 3]	[Enable]	[Fun. Code : 0x380]
4. TxPDO4 :	[TxPDO 4]	[Enable]	[Fun. Code : 0x480]
5. RxPDO1 :	[RxPDO 1]	[Enable]	[Fun. Code : 0x200]
6. RxPDO2 :	[RxPDO 2]	[Disable]	
7. RxPDO3 :	[RxPDO 3]	[Disable]	
8. RxPDO4 :	[RxPDO 4]	[Disable]	

 Below the table are buttons for 'New...', 'Delete', and 'Settings...'. At the bottom, there is an 'SDO Function Code : 600 (HEX)' field and an 'Import EDS file...' button highlighted with a red box, along with an 'Exit' button.

Step 3. Select the EDS file to be imported.



Step 4. Successfully import EDS file.



Device Address:

Bit/Wor	Device type	Format	Range	Memo
B	TxPDOOn_BIT	Dd	0 ~ 77	D : address (unit: byte) d : bit no.
B	RxPDOOn_BIT	Dd	0 ~ 77	D : address (unit: byte) d : bit no.
B	SDO_8bit_Bit	HHHHHHo	0 ~ FFFFFFF7	HHHH(Index)+HH(Sub-index)+o(Bit no)
B	SDO_16bit_Bit	HHHHHHdd	0 ~ HHHHHH15	HHHH(Index)+HH(Sub-index)+dd(Bit no)
W	TxPDOOn	D	0 ~ 7	
W	TxPDOOn_Byte	D	0 ~ 7	

Bit/Wor	Device type	Format	Range	Memo
W	RxPDOOn	D	0 ~ 7	
W	RxPDOOn_Byte	D	0 ~ 7	
W	SDO_8bit	HHHHHH	0~FFFFFF	HHHH(Index)+HH(Sub-index)
W	SDO_16bit	HHHHHH	0~FFFFFF	
W	SDO_32bit	HHHHHH	0~FFFFFF	

Wiring Diagram:

Diagram 1

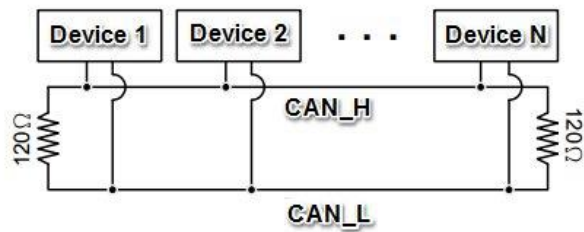
cMT Series *cMT3071 / cMT3072 / cMT3090 / cMT3103 / cMT-3151*

eMT Series *eMT3070 / eMT3105 / eMT3120 / eMT3150*

MT-XE *MT8092XE*



To minimize signal reflection on the CAN bus network, termination resistors should be installed at both ends of the network, as shown in the following figure. (eMT3070A has built-in termination resistor, so it is not required for eMT3070A)



Demo Project Link:

