

How to prepare easYgen-3000XT for changing Operation Modes remotely

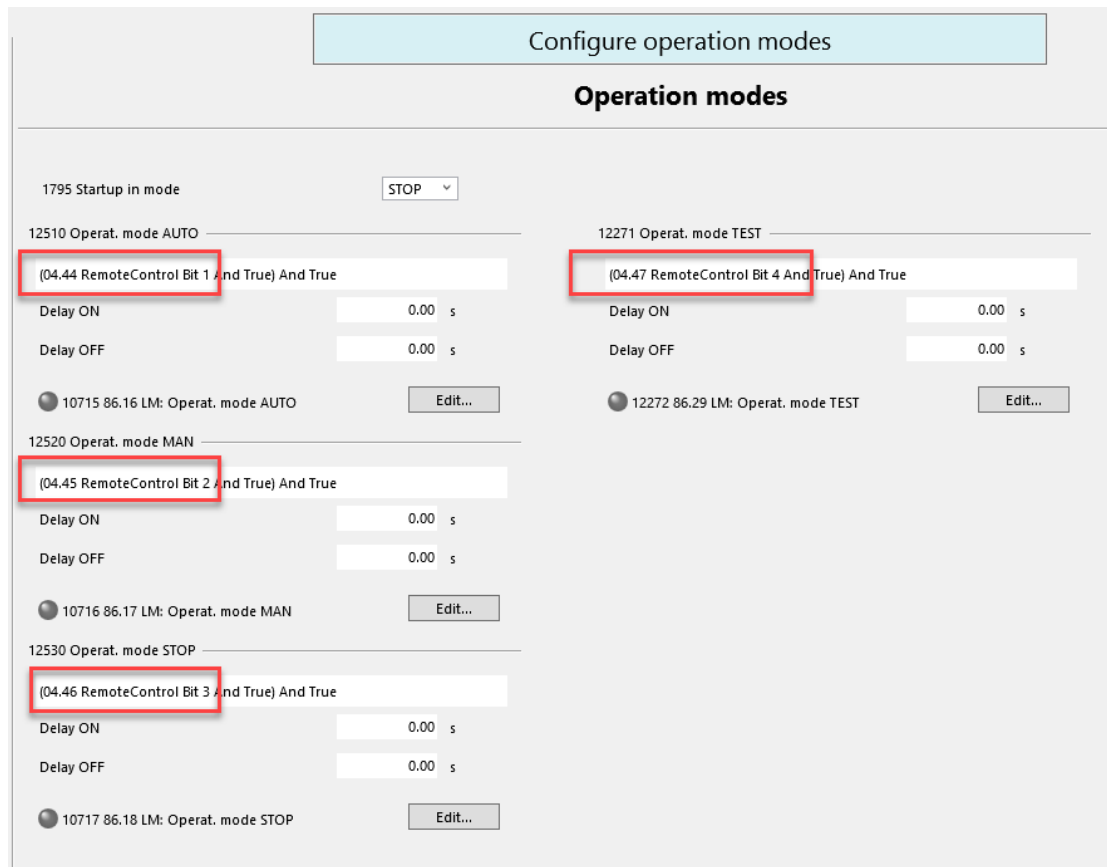
Justin Schneider - 2026-07-27 - [easYgen-3000](#)

How to configure easYgen-3000XT in order to change Operation Modes remotely

To make the Operation Modes change remotely, it needs **two simple** steps

1.) Configure the easYgens' Operation Modes parameters first, in order to make the operation modes remote controllable

--> e.g. Edit the according LogicsManagers this way



The screenshot shows the 'Configure operation modes' interface with the following details:

- Configure operation modes** (Section Header)
- Operation modes** (Section Header)
- 1795 Startup in mode** (Dropdown menu set to STOP)
- 12510 Operat. mode AUTO**
 - Logic: (04.44 RemoteControl Bit 1 And True) And True
 - Delay ON: 0.00 s
 - Delay OFF: 0.00 s
 - 10715 86.16 LM: Operat. mode AUTO (Edit...)
- 12271 Operat. mode TEST**
 - Logic: (04.47 RemoteControl Bit 4 And True) And True
 - Delay ON: 0.00 s
 - Delay OFF: 0.00 s
 - 12272 86.29 LM: Operat. mode TEST (Edit...)
- 12520 Operat. mode MAN**
 - Logic: (04.45 RemoteControl Bit 2 And True) And True
 - Delay ON: 0.00 s
 - Delay OFF: 0.00 s
 - 10716 86.17 LM: Operat. mode MAN (Edit...)
- 12530 Operat. mode STOP**
 - Logic: (04.46 RemoteControl Bit 3 And True) And True
 - Delay ON: 0.00 s
 - Delay OFF: 0.00 s
 - 10717 86.18 LM: Operat. mode STOP (Edit...)

2.) Write the Remote Control Bits in the appropriate register by your PLC/SCADA system...

- either by Modbus register **505**: to write all 16 Bits in one go, see below in **RED**

- or Modbus register **556** (Remote Control Bit 1) to **541** (Remote Control Bit 16): to write every single Bit separately, see below in **YELLOW**

Remote control word 3



Object 21F9h (Parameter 505)

This object is required for remote control. These remote control bits are used to send control signals via SDO or PDO, which can then be processed by the LogicsManager to control the easYgen. The data type is Boolean.

Bit 15 = 1 (ID 541)	Remote control bit 16 (command variable 04.59)
Bit 14 = 1 (ID 542)	Remote control bit 15 (command variable 04.58)
Bit 13 = 1 (ID 543)	Remote control bit 14 (command variable 04.57)
Bit 12 = 1 (ID 544)	Remote control bit 13 (command variable 04.56)
Bit 11 = 1 (ID 545)	Remote control bit 12 (command variable 04.55)
Bit 10 = 1 (ID 546)	Remote control bit 11 (command variable 04.54)
Bit 9 = 1 (ID 547)	Remote control bit 10 (command variable 04.53)
Bit 8 = 1 (ID 548)	Remote control bit 9 (command variable 04.52)
Bit 7 = 1 (ID 549)	Remote control bit 8 (command variable 04.51)
Bit 6 = 1 (ID 550)	Remote control bit 7 (command variable 04.50)
Bit 5 = 1 (ID 551)	Remote control bit 6 (command variable 04.49)
Bit 4 = 1 (ID 552)	Remote control bit 5 (command variable 04.48)
Bit 3 = 1 (ID 553)	Remote control bit 4 (command variable 04.47)
Bit 2 = 1 (ID 554)	Remote control bit 3 (command variable 04.46)
Bit 1 = 1 (ID 555)	Remote control bit 2 (command variable 04.45)
Bit 0 = 1 (ID 556)	Remote control bit 1 (command variable 04.44)

Doing so, the Operation Modes change upon triggering the appropriate Remote Bits.