

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

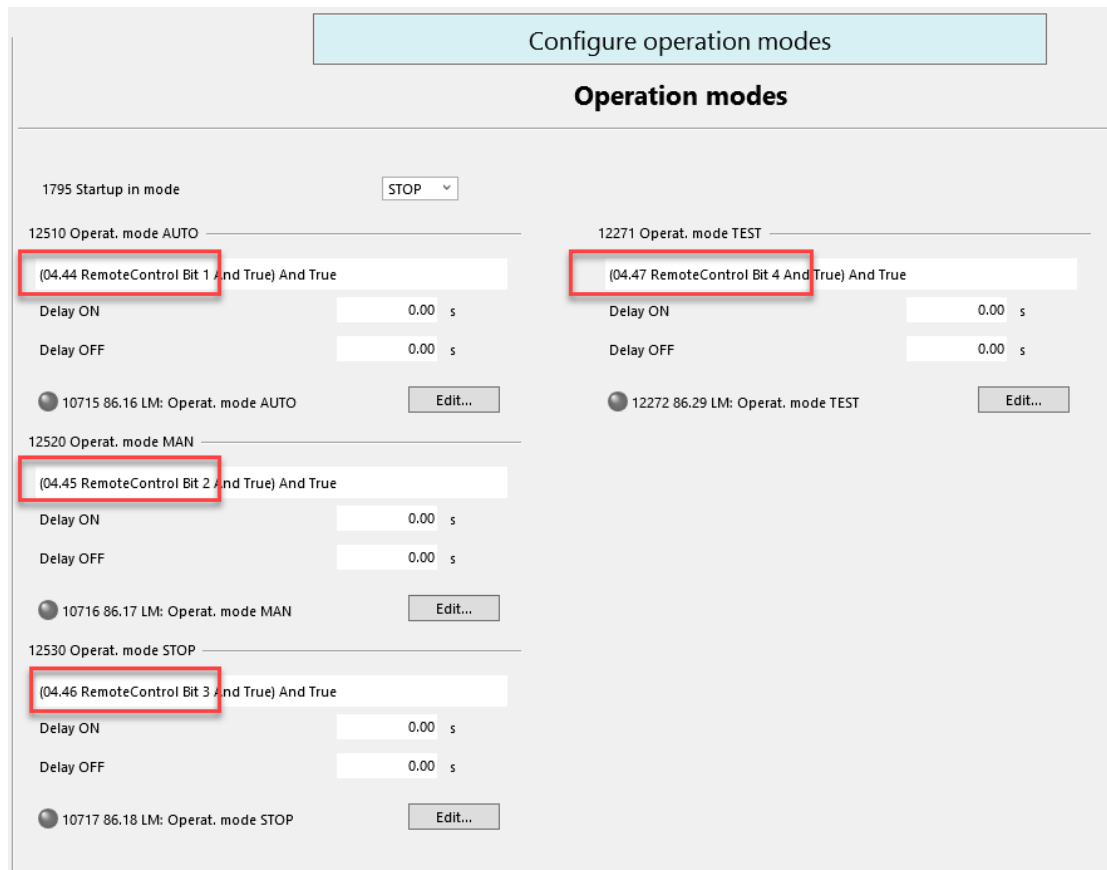
Justin Schneider - 2026-07-27 - [easYgen-3000XT](#)

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 displays the 'Configure operation modes' window with the 'Operation modes' tab selected. It shows four logic manager configurations, each with a condition field highlighted by a red box:

- 1795 Startup in mode:** STOP (dropdown)
- 12510 Operat. mode AUTO:** (04.44 RemoteControl Bit 1 And True) And True
- 12271 Operat. mode TEST:** (04.47 RemoteControl Bit 4 And True) And True
- 12520 Operat. mode MAN:** (04.45 RemoteControl Bit 2 And True) And True
- 12530 Operat. mode STOP:** (04.46 RemoteControl Bit 3 And True) And True

Each configuration also includes 'Delay ON' and 'Delay OFF' fields set to 0.00 s, and an 'Edit...' button.

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.