

# Receiver CN\_AV V1 Help

V1.1

## Precautions:

- The module is suitable for controller receiver.
- If you have any questions about this module or the help documentation, please contact us.

**Module name:** receiver CN\_AV V1 Driver

## Module function description:

- Support receiver control function.
- Physical interface is Serial or TCP/IP.

Serial port protocol:    baud rate: 57600(default)      Data bits: 8      Stop bits: 1

Check bit: 0

TCP/IP protocol port: 8000 or 23

## Test Environment:

<b>OPS USED FOR TESTING:</b>	CP3N: v1.8000.4522.2417 0
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.17.03
<b>DEVICE DB USED FOR TESTING:</b>	200.9500.001.00
<b>CRES DB USED FOR TESTING:</b>	206.05.004.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	104
<b>SAMPLE PROGRAM:</b>	3-Series: Test.smw

## Parameter Description:

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### Moduleparameterdescription:

- **[Integer param]RX\_ID**  
Signal used to set receiver id,range from 1~762.
- **[Integer param]DebugMode**  
Singal used to set debug mode on or off.

### Inputparameterdescription:

- **[Digital input]Get\_RX\_Status**  
Signal used to get the receiver current status .
- **[Digital input]RX\_Led\_On**  
Signal used to set the receiver flash power LED.
- **[Digital input]RX\_Led\_Off**  
Signal used to Set the receiver disable flash power LED .
- **[Digital input]RX\_Output\_On**  
Signal used to set the receiver output on.
- **[Digital input]RX\_Output\_Off**  
Signal used to set the receiver output off.
- **[Digital input]RX\_Output\_Mute\_On**  
Signal used to set the receiver output mute on.
- **[Digital input]RX\_Output\_Mute\_Off**  
Signal used to set the receiver output mute off.
- **[Digital input]RX\_IR\_Vol\_5V**  
Signal used to set the receiver IR voltage 5V.
- **[Digital input]RX\_IR\_Vol\_12V**  
Signal used to set the receiver IR voltage 12V .
- **[Digital input]RX\_IO\_Vol\_5V**  
Signal used to set the receiver IO voltage 5V.
- **[Digital input]RX\_IO\_Vol\_12V**  
Signal used to set the receiver IO voltage 12V .
- **[Digital input]RX\_IO1\_Dir\_In**  
Signal used to set the receiver IO 1 as input port.
- **[Digital input]RX\_IO1\_Dir\_Out**  
Signal used to set the receiver IO 1 as output port.
- **[Digital input]RX\_IO2\_Dir\_In**  
Signal used to set the receiver IO 2 as input port.
- **[Digital input]RX\_IO2\_Dir\_Out**  
Signal used to set the receiver IO 2 as output port.
- **[Digital input]RX\_IO1\_Out\_Low**  
Signal used to set the receiver IO 1 output low(0) level .
- **[Digital input]RX\_IO1\_Out\_High**  
Signal used to set the receiver IO 1 output high(1) level.

- **[Digital input]RX\_IO2\_Out\_Low**  
Signal used to set the receiver IO 2 output low(0) level .
- **[Digital input]RX\_IO2\_Out\_High**  
Signal used to set the receiver IO 2 output high(1) level.
- **[Digital input]RX\_Relay1\_Open**  
Signal used to set the receiver relay 1 to open.
- **[Digital input]RX\_Relay1\_Close**  
Signal used to set the receiver relay 1 to close.
- **[Digital input]RX\_Relay2\_Open**  
Signal used to set the receiver relay 2 to open.
- **[Digital input]RX\_Relay2\_Close**  
Signal used to set the receiver relay 2 to close.
- **[Digital input]RX\_Flip\_Off**  
Signal used to set the receiver output flip off.
- **[Digital input]RX\_Flip\_Hor**  
Signal used to set the receiver output flip horizontally.
- **[Digital input]RX\_Flip\_Ver**  
Signal used to set the receiver output flip vertically.
- **[Digital input]RX\_Arp\_Arc**  
Signal used to set the receiver Audio Return Path to ARC.
- **[Digital input]RX\_Arp\_Spdif**  
Signal used to set the receiver Audio Return Path to S/PDIF.
- **[Digital input]RX\_Earc\_On**  
Signal used to set the receiver eARC downgrade to ARC on.
- **[Digital input]RX\_Earc\_Off**  
Signal used to set the receiver eARC downgrade to ARC off.
- **[Digital input]RX\_SAC\_Off**  
Signal used to set the receiver disable ARC and CEC.
- **[Digital input]RX\_SAC\_CEC**  
Signal used to set the receiver select CEC.
- **[Digital input]RX\_SAC\_ARC**  
Signal used to set the receiver select ARC .
- **[Digital input]RX\_USB\_On**  
Signal used to set the receiver USB camera enable.

- **[Digital input]RX\_USB\_Off**  
Signal used to set the receiver USB camera disable.
- **[Digital input]RX\_OSD\_Mute\_On**  
Signal used to Set the receiver custom OSD mute on.
- **[Digital input]RX\_OSD\_Mute\_Off**  
Signal used to Set the receiver custom OSD mute off.
- **[Digital input]RX\_Cycle\_Play\_On**  
Signal used to Set the receiver cycle play enable.
- **[Digital input]RX\_Cycle\_Play\_Off**  
Signal used to Set the receiver cycle play disable.
- **[Analog input] RX\_Switch\_TX**  
Singal used to set the receiver switch signals from encoder,the singal is range from 1~762.  
If RX\_Switch\_Mode = 0,the receiver switch all signals;  
RX\_Switch\_Mode = 1,the receiver switch video only signal;  
RX\_Switch\_Mode = 2,the receiver switch audio only signal;  
RX\_Switch\_Mode = 3,the receiver switch IR only signal;  
RX\_Switch\_Mode = 4,the receiver switch RS232 only signal;  
RX\_Switch\_Mode = 5,the receiver switch USB only signal;  
RX\_Switch\_Mode = 6,the receiver switch CEC only signal;
- **[Analog input] RX\_Switch\_Mode**  
Singal used to set the receiver switch mode.The singal is range from 0~6.
- **[Analog input] RX\_Output\_Resolution**  
Singal used to set the receiver output resolution.The singal is range from 0~13.
- **[Analog input] RX\_Output\_Rotate**  
Singal used to set the receiver output rotate.The singal is range from 0~3.
- **[Analog input] RX\_OSD\_Custom**  
Singal used to Set the receiver custom OSD configuration.The singal is range from 1~8.
- **[Analog input] RX\_Cycle\_Play\_Interval**  
Singal used to Set the receiver cycle play interval.The singal is range from 3~999.
- **[Analog input] RX\_Cycle\_Play\_Src**  
Singal used to Set the receiver cycle play sources.The singal is range from

1~762.

➤ **[Analog input] RX\_Delete\_Preset**

Singal used to Delete receiver from the preset.The singal is range from 1~10.

➤ **[Analog input] RX\_Add\_Preset[X]**

Singal used to Add receiver to the preset[X].The singal is range from 1~762.The X is range from 1~10(Preset 1~ Preset 10).

➤ **[Serial input]RX\_Name**

Signal used to set receiver name.

➤ **[Serial input]From\_Device**

Signal used to receive character from the connected device.

**Outputparameterdescription:**

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➤ **[Serial output]To\_Device**

Singal used to send character command to the connected device.