

2-Wire Switch User's Manual

V1.0.0

Table of Contents

1	Product Overview	1
1.1	Description	1
1.2	Application Scene	1
2	Device Structure	2
2.1	Front	2
2.2	Rear	3
3	Installation	5
3.1	Installation via Screw	5
3.2	Installation via Slide Way	5
4	Notice	8
	Appendix 1 Technical Specifications	9

Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note:

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning:

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.

1 Product Overview

1.1 Description

This product provides six pairs of 2-wire ports, supporting 30 levels of product cascading up to 180 devices. It solves apartment digitalization problem. When 2-wire VTH connects to the network via this product, it can achieve video talk, unlock, monitor and etc.

1.2 Application Scene

2-wire switch networking is in Figure 1-1.

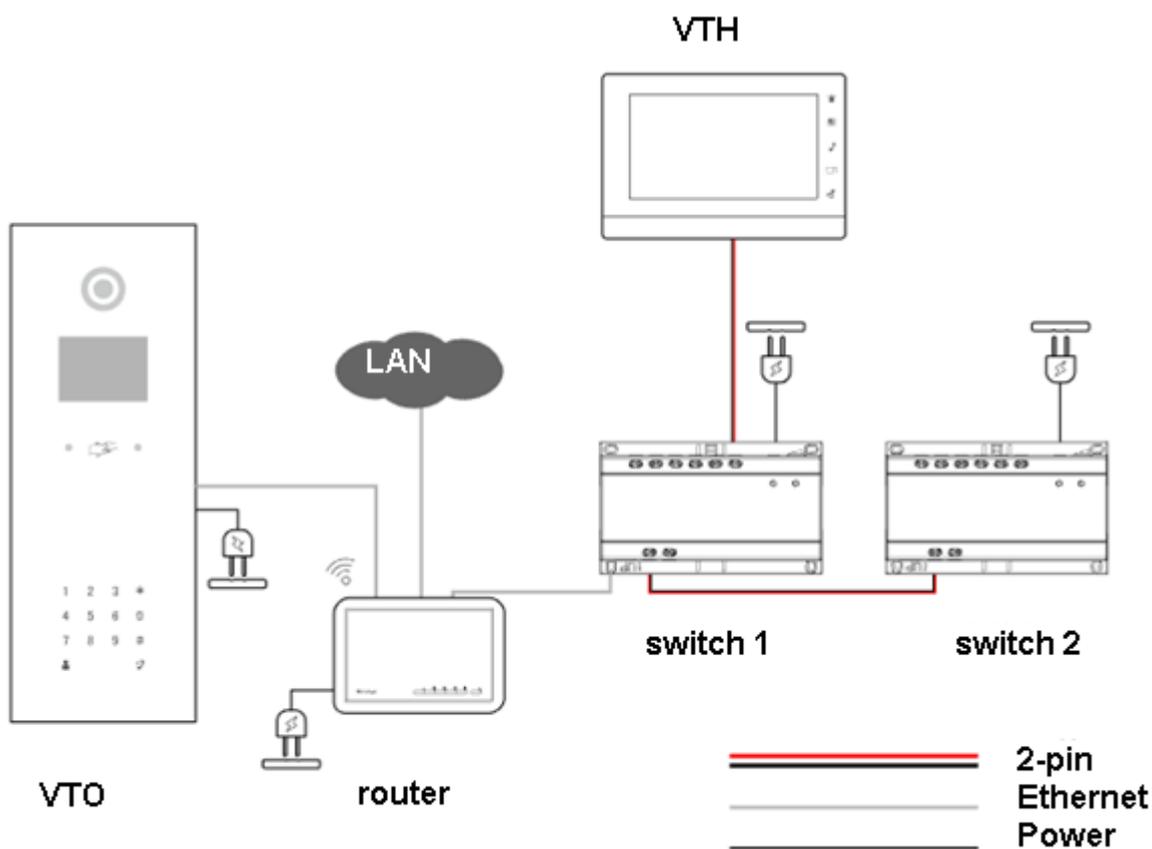


Figure 1-1

2 Device Structure

2.1 Front

Device front structure is in Figure 2-1 and see Chart 2-1.

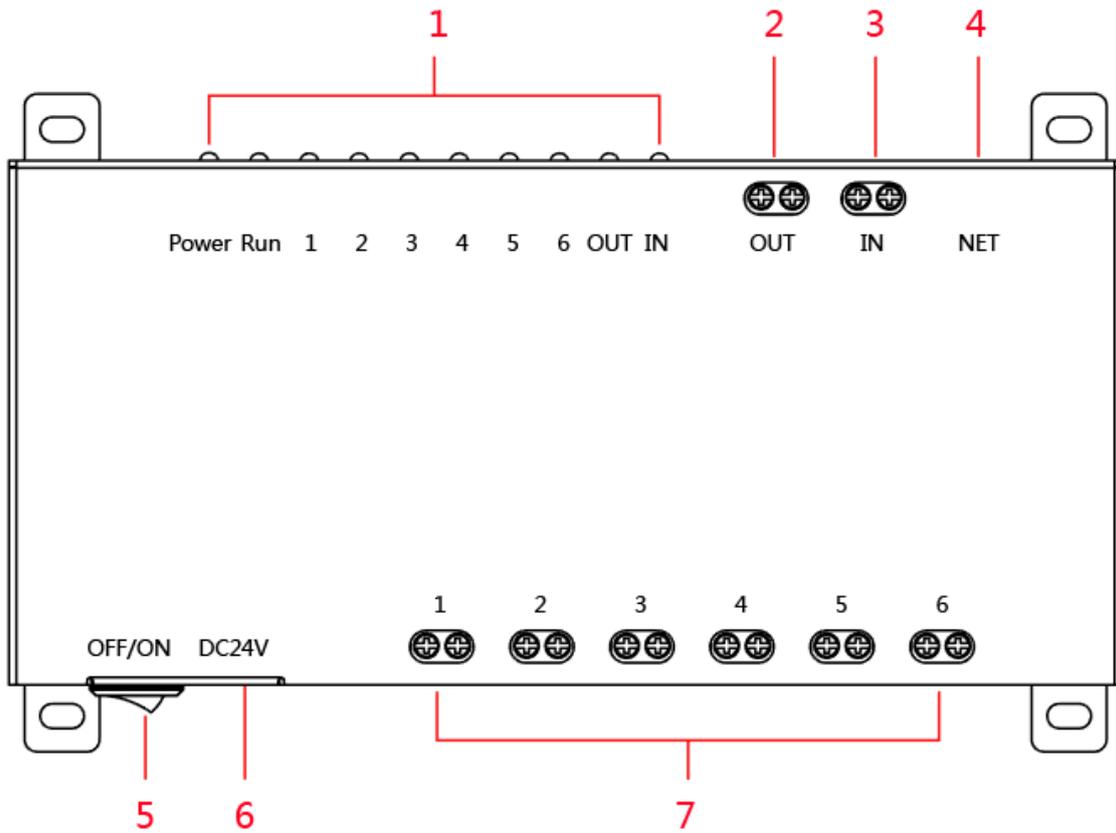


Figure 2-1

No.	Component Name	Note
-----	----------------	------

No.	Component Name	Note
1	Indicator	<p>From left to right:</p> <p>POWER indicator (1)</p> <ul style="list-style-type: none"> ◇ Red light on, power normal. ◇ Light off, device power off. <p>RUN indicator (1)</p> <ul style="list-style-type: none"> ◇ Green light on, means switch operation normal. ◇ Light NO or OFF, means witch abnormal. <p>Status indicator connecting VTH (6)</p> <ul style="list-style-type: none"> ◇ Green light flash , connected VTH network normal. ◇ Light NO or OFF, means connected switch abnormal or VTH network abnormal. <p>Switch upper IN indicator (1)</p> <ul style="list-style-type: none"> ◇ Green light flash, means upper switch connected. ◇ Light NO or OFF, means connected upper switch abnormal. <p>Switch lower port OUT indicator (1)</p> <ul style="list-style-type: none"> ◇ Green light flash, means connected lower switch. ◇ Light NO or OFF, means connected lower switch abnormal.
2	Upper Port IN	Switch cascade upper port.
3	Lower Port OUT	Switch cascade lower port.
4	Network Port	To guarantee best network connection, when multi switch cascade, you just need to connect level 1 switch network.
5	OFF/ON	Power switch.
6	DC IN Power Plug	DC 24V power input.
7	VTH Port 1~6	Connect digital VTH (6) .

Chart 2-1

2.2Rear

Device rear structure is in Figure 2-2 and see Chart 2-2.

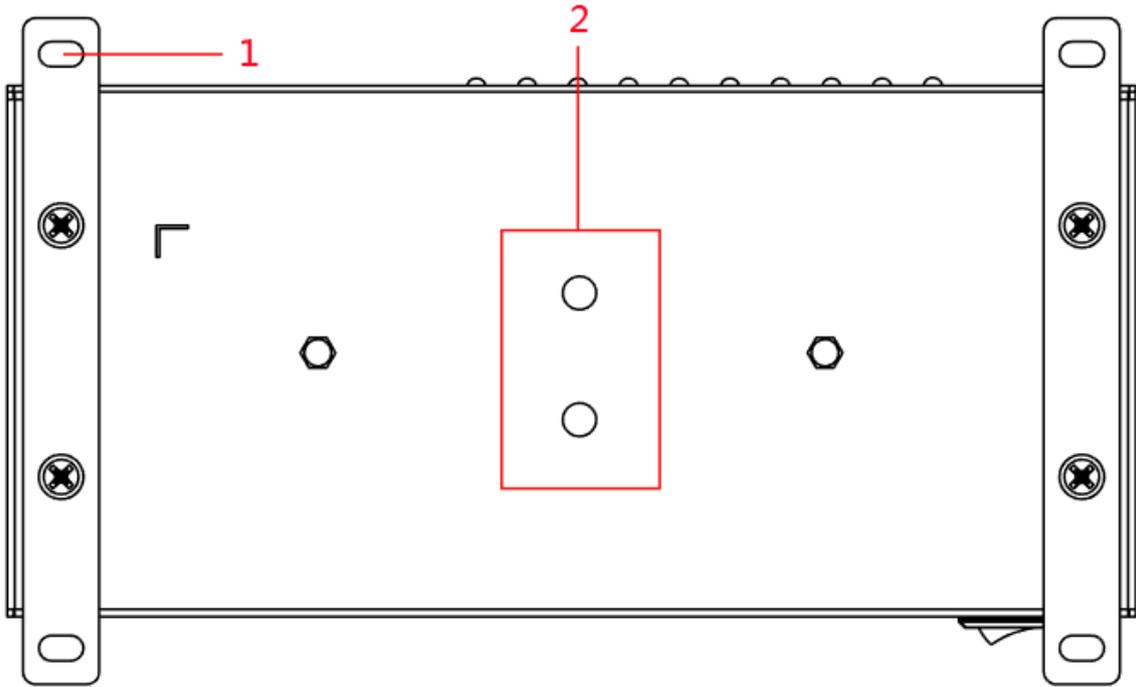


Figure 2-2

No.	Component Name	Note
1	Screw holex4	Via 4_ST4x25-SUS screw install the switch, see Ch 3.1.
2	Slide way	Via slide way install the switch, see Ch 3.2.

Chart 2-2

3 Installation

Switch installation includes desktop, wall mount (with via screw or slide way).

3.1 Installation via Screw

Place the device on an appropriate place; install it on wall, fixed via screw. See Figure 3-1.

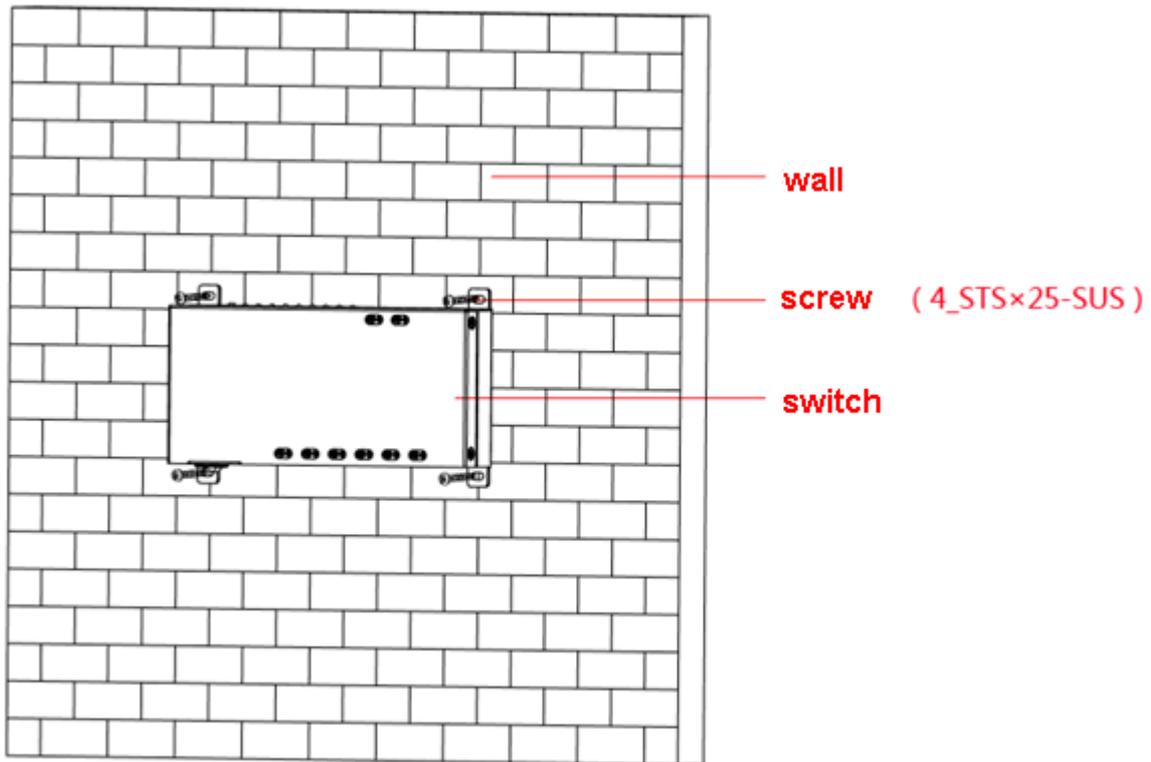


Figure 3-1

3.2 Installation via Slide Way

Warning:

Slide way shall be prepared by user (standard 35mm-wide slide way), not included in device accessories.

Step 1. Please remove position 1 at rear of switch, and install slide way at position 2, see Figure 3-2.

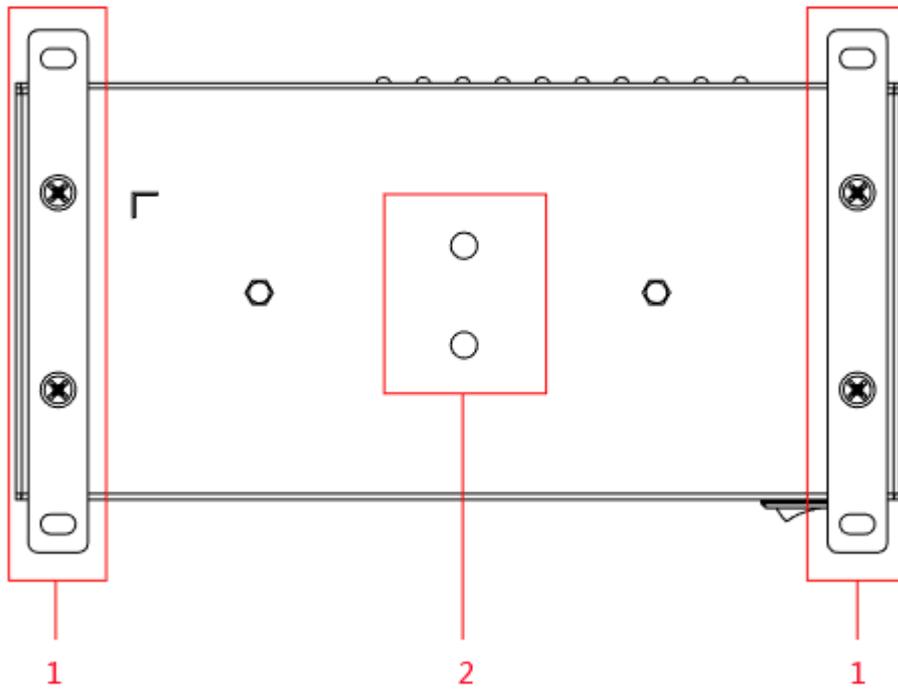


Figure 3-2

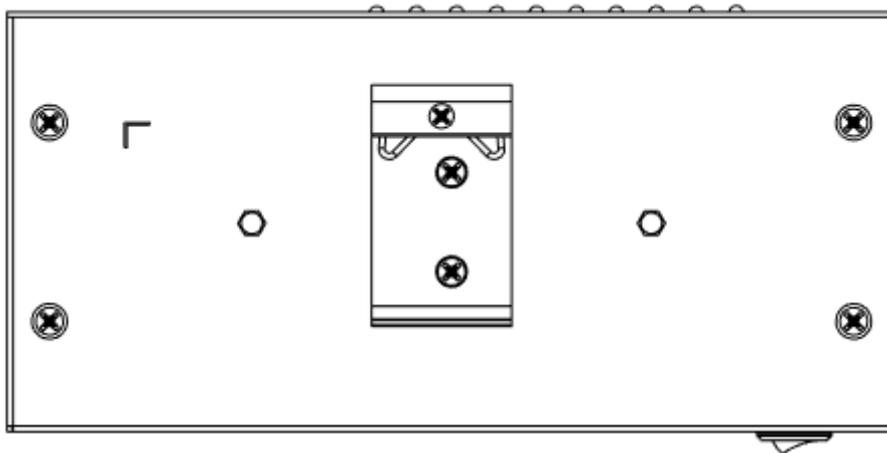


Figure 3-3

Step 2. Install slide way on wall at appropriate position.

Step 3. Slide switch against the wall into slide way, and installation complete, see Figure 3-4.

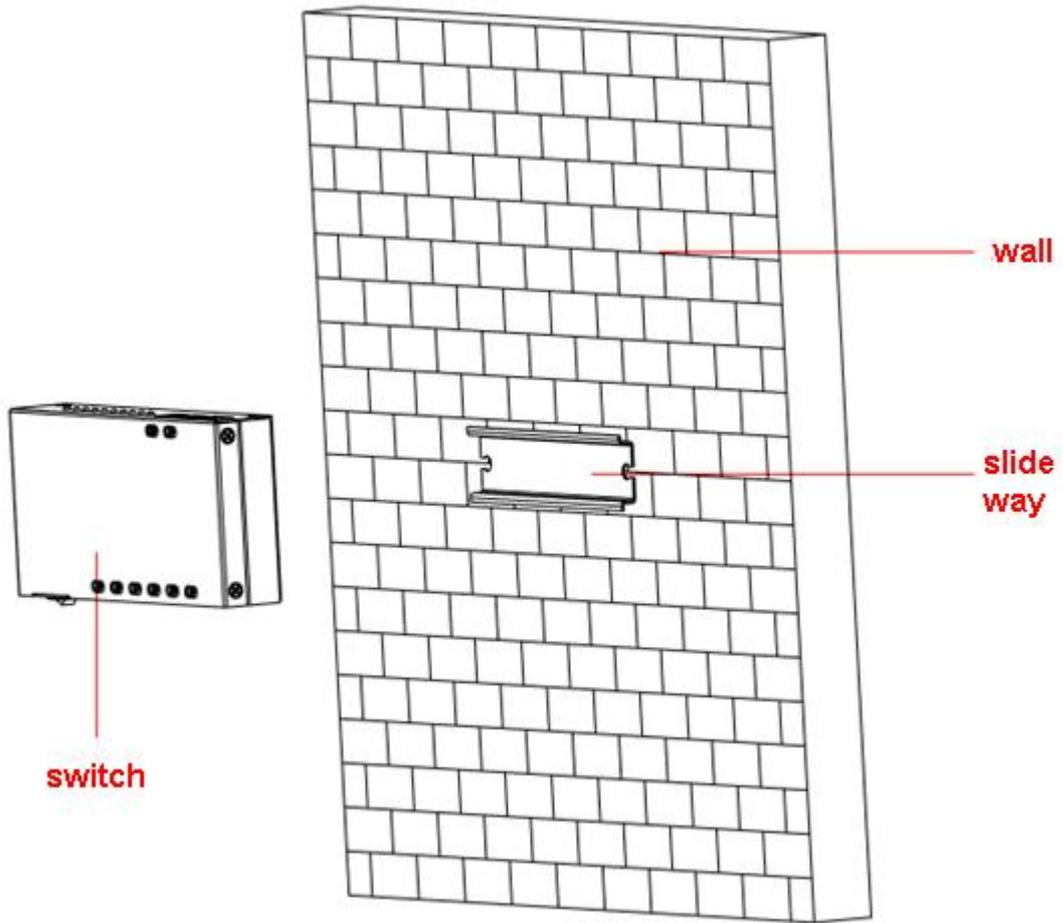


Figure 3-4

4 Notice

- Please use our standard power supply, do not self-powered.
- Before wiring, please read carefully the device structure, understand interface, please see Ch 2.
- Before power is turned on, make sure that all connections comply with wiring instructions.
- During running the normal working status: POWER LED red light; RUN indicator, green light flashes.
- Before plugging/unplugging power, you must make sure that the power switch is at the OFF position, and then plug the power.
- To ensure the best effect of network transmission, multi-level cascading switch, simply plug in the first stage switch network cable.
- To prevent damage to the equipment, do not place switch in stack.

Appendix 1 Technical Specifications

Model	VTNS1060A-2
Input	1-ch (Ethernet, 2-wire port alternative)
Output	1-ch
VTH Port	6-ch
Power	24V
Power Consumption	Rated 80W
Work Temperature	-10°C ~ +55°C
Dimensions(LxWxH)	Without bracket: 178mmx84.5mmx30mm With bracket: 178mmx106mmx32mm
Weight	230g

Note:

- This manual is for reference only. Slight difference may be found in the user interface.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks mentioned are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website or contact your local retailer for more information.