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W24FXS 2015 - Quick Installation Guide - English

i W24FXS 2015 Quick Installation Guide explains the steps that help you to connect and configure the FXS gateway. FXS gateway allows you to connect analog phones and fax machines to your IP PBX.

FXS Gateways Datasheet: [Media Gateways Datasheet](#)

Other FXS Media Gateways Guides:

- [W01/02/04FXS old generation Quick Installation Guide](#)
- [W02FXS 2018 Quick Installation Guide](#)
- [W04FXS 2020 Quick Installation Guide](#)

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Overview and LED indications

Rear panel

- ON/OFF Switch
- Power supply jack AC 110V~240V, 50-60Hz
- RJ21 Port for patch panel connection

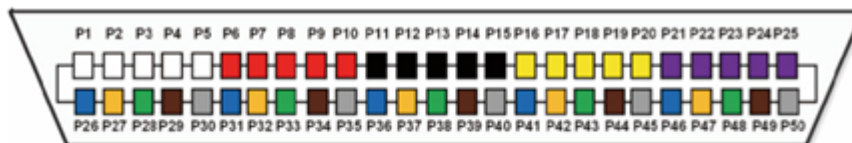
Front panel

- 1 WAN port RJ45 10/100 base-T
- 1 Console port RJ45 with RS232 standard to connect DB9
- 1 RST switch to perform the factory reset
- 1 PWR LED:
 - solid green indicates that the gateway is powered on
- 1 RUN LED:
 - turns solid green for a few seconds once the gateway is powered on;
 - fast blinking indicates that all ports are registered successfully
 - slow blinking indicates that ports failed to register

- off (when connected to power) indicates that the gateway doesn't boot up
- 1-24 ports for connection of analog devices
- 1-24 LEDs:
 - solid green indicates that the port is in use
 - off (when connected to power) indicates that the port is idle

RJ21 Wire Sequence (Pinout chart)

One RJ21 cable has 25 pairs of wires. The 25th pair is vacant, which means that one RJ21 interface supports up to 24 calls.



Call No.	0		1		2		3		4	
Colour	White	Blue	White	Orange	White	Green	White	Brown	White	Slate
PIN No.	P1	P26	P2	P27	P3	P28	P4	P29	P5	P30
Call No.	5		6		7		8		9	
Colour	Red	Blue	Red	Orange	Red	Green	Red	Brown	Red	Slate
PIN No.	P6	P31	P7	P32	P8	P33	P9	P34	P10	P35
Call No.	10		11		12		13		14	
Colour	Black	Blue	Black	Orange	Black	Green	Black	Brown	Black	Slate
PIN No.	P11	P36	P12	P37	P13	P38	P14	P39	P15	P40
Call No.	15		16		17		18		19	
Colour	Yellow	Blue	Yellow	Orange	Yellow	Green	Yellow	Brown	Yellow	Slate
PIN No.	P16	P41	P17	P42	P18	P43	P19	P44	P20	P45
Call No.	20		21		22		23		24	
Colour	Violet	Blue	Violet	Orange	Violet	Green	Violet	Brown	Violet	Slate
PIN No.	P21	P46	P22	P47	P23	P48	P24	P49	P25	P50

Connection to power supply

- Connect the gateway to the Power Supply using the cable provided
- Turn the switch situated on the rear panel into "ON" position

Connection to the network

Connect the gateway's WAN port to Wildix Switch using Ethernet cable

Notes:

- The gateway should be connected via Ethernet cable to the same network as the PBX or an external DHCP server (for instance Router)
- As soon as the DHCP server assigns an IP address to the gateway, you can pass to the next step of the gateway configuration

- In case the PBX is used as a DHCP server, the gateway is detected on the network automatically
- In case an external DHCP server is used, check the list of the active leases to detect the IP address assigned to the gateway


Connection of analog phones

- You can connect analog devices directly to ports marked 1-24
- Otherwise connect the patch panel to the RJ21 port situated on the rear panel using the connector provided



Configuration of the FXS gateway

- Follow our [online Guide](#) to provision the media gateway
- For remote/unreachable media gateways behind NAT/Firewall, follow our [online Guide to remote provisioning](#).
- Follow our online guide to assign the ports of the FXS gateway: [Assign analog ports of FXS to users](#)

 **Known limitation:** It is not recommended to set TCP/ TLS protocols when using W24FXS as the device can not receive more than 3 calls simultaneously.


To overcome the limitation, you can set UDP as a transport protocol via the custom provisioning parameter:

- Add "SIPTransportRemote=UDP" to [*wildixfxs2*] section. Consult the Guide [Provisioning Custom Settings](#) for detailed information

Reset of the gateway

The switch marked as "RST" is situated on the front panel of the gateway.

- Use the paper clip or the object of the similar shape to press the button
- Hold the button pressed for more than 7 seconds to restore the gateway to the factory settings.
- Reboot the gateway for the changes to take the effect

 Note: keep the button pressed for just 3-5 seconds, to restore the default IP and user name / password (in this case all the other configurations are kept); it is necessary to reboot the device to apply the changes.

Control calls using Flash button

Read the document: [How to control calls using Flash button on FXS Media Gateways.](#)