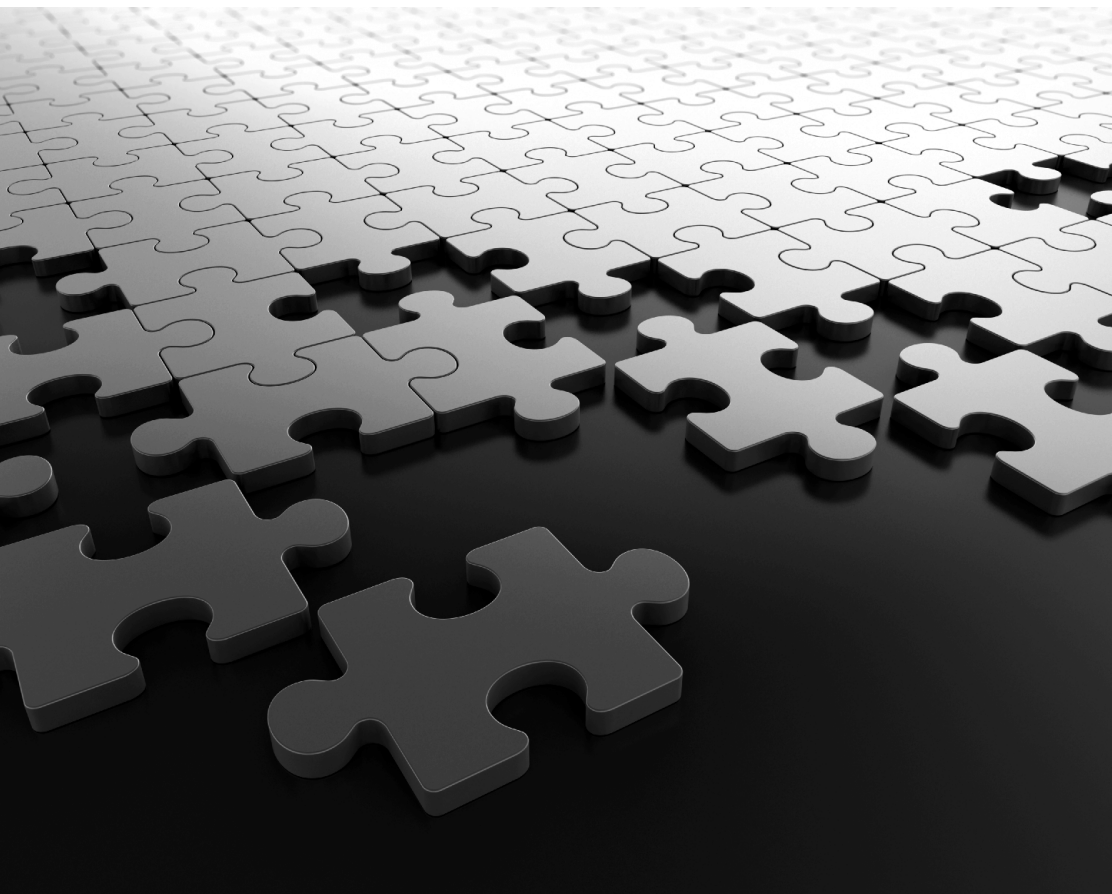


VISIONPRO

Quick Start



VISIONPRO

The Digital PBX for Small Offices

Quick Start



Documentation Disclaimer

Matrix Comsec reserves the right to change, at any time, without prior notice, the product design, specifications, components, as engineering and manufacturing may warrant.

This is a general documentation for all models/configurations of the product. The product may not support some of the features/facilities described in this document.

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Know Your VISIONPRO

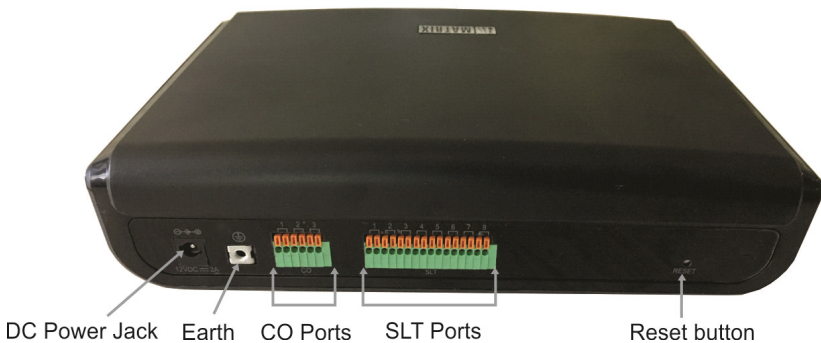
Thank you for choosing the Matrix VISIONPRO. Please read the instructions in this Quick Start carefully to install and configure it.

This Quick Start is meant to help you install and configure the VISIONPRO quickly. For detailed instructions on configuring the product and its feature description, refer to the *System Manual*.

To view or download the documents, scan the QR Code printed on the Product Label/Packaging Label. You can also view or download the documentation from <https://www.matrixtelesol.com/product-manuals.html>

For product registration and warranty related details, please visit <http://www.matrixcomsec.com/product-registration-form.html>

Overview



Matrix VISIONPRO is an integrated digital SOHO (Small Office Home Office) PBX which caters to the communication requirements of small businesses.

VISIONPRO series from Matrix offers the following variants,

- VISIONPRO 206 with 2 CO Trunk Ports (FXO Ports) and 6 SLT Ports (FXS Ports).
- VISIONPRO 308 with 3 CO Trunk Ports (FXO Ports) and 8 SLT Ports (FXS Ports).
- VISIONPRO 412 with 4 CO Trunk Ports (FXO Ports) and 12 SLT Ports (FXS Ports).

This Quick Start is written with reference to the default configuration, VISIONPRO 308, unless otherwise specified.

Ports and Connectors

Port	Description
Power Port	To connect the external power adapter of 12V DC (input).
Earth	To connect the telecom earth to the system.
CO	To connect the CO trunk lines from PSTN.
SLT	To connect station SLT phones, FAX machines.
RESET	To reset the SE/SA Password to its default value.

LED

LED	Description
PWR	To indicate system power ON/OFF condition.
STS	To indicate the system status during various conditions.

Installing VISIONPRO

Preparing for Installation

You must have the following:

- A suitable location to install VISIONPRO.
- Necessary telecom wiring in place, with wall jacks for station lines at the required locations.
- Standard, good quality, twisted pair telephone cables with 0.5 mm conductor diameter.
- A dedicated Power supply outlet close to the system.
- As many standard analog telephone instruments with CLI display to connect as SLT stations.
- A fax machine, if you want to connect one to the SLT Port of VISIONPRO.
- One or more active, analog trunk lines from the CO network, as required.

Well begun is half done; plan your hardware installation well.



- *Do not install this product near an area where-*
 - *it is exposed to direct sunlight, heat, excessive cold or humidity, dust, oil, corrosive fumes.*
 - *there is a water source (wash basin, tub, shower, pool, sprinkler etc.)*
 - *there is source of electromagnetic noise such as radio equipment, heavy transformers, faulty electric chokes of tube-lights, device having a faulty coil.*
- *Ensure proper electrical earth and telecom earth for the safety of the product and persons handling it.*

Getting Started

Unpack VISIONPRO and verify your package contents. In case any of the items is missing or damaged, contact your Dealer/Distributor.

Package Contents

The ideal sales package for VISIONPRO should contain the following items:

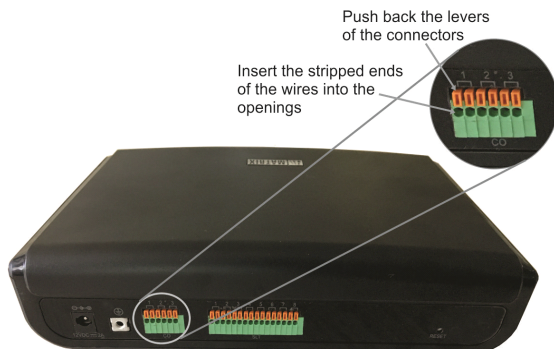
- One VISIONPRO Unit
- A 12V Power Adapter
- A Wall Mounting Template
- Two Screw Grips
- Two M7/30 Screws

You can view or download the documentation of the product by scanning the QR code printed on the Product Label/Packaging Label.

Connecting VISIONPRO



To connect the CO cables to the VISIONPRO,



- Use standard, good quality, twisted-wire pair telephone cables to connect the CO Ports of VISIONPRO to the Trunk Lines from the CO (central office) network.
- Strip off about half a centimeter of the insulation off the wire ends of the CO cable.
- Using a blunt pin or a small flat screw driver, push back the levers of the connector.
- Insert the stripped ends of the two wires into the two openings of the connector, with one wire in each opening.
- Ensure that both wires fit neatly into the opening.
- Release pressure on the levers. Both wires will be held in place by spring clamp action.

If you need to remove the wires,

- Push back the levers.
- Pull out the wires gently.
- Release pressure on the levers.

To connect the SLT cables to the VISIONPRO,

- Use standard twisted wire pair cables of good quality to connect the analog single line telephone instruments to the SLT Ports of VISIONPRO.

- Place the SLTs, fax machine at the desired locations. Connect the SLTs, Fax machine to the wall jacks.
- Terminate one end of the cable on the wall jack to which the SLT, fax machine is connected.
- From the other end of the wire, strip off about half a centimeter of the insulation.
- Using a blunt pin or a small flat screw driver, push back the levers of the connector.
- Insert the stripped ends of the two wires into the two openings of the connector, with one wire in each opening.
- Ensure that both wires fit neatly into the opening.
- Release pressure on the levers. Both wires will be held in place by spring clamp action.

If you need to remove the wires,

- Push back the levers.
- Pull out the wires gently.
- Release pressure on the levers.

Power On VISIONPRO

- Check the mains voltage at the power plug from where the power supply is to be fed to the system.
- Make sure system's earthing is proper.
- Plug in the power adapter of VISIONPRO into the power outlet. Ensure proper contacts. Switch ON the system. Observe the reset cycle on the front panel of the system.

Reset Cycle

- As soon as you power ON the system, the PWR (Power) LED on the front panel starts glowing. The STS (Status) LED starts glowing approximately 5 seconds after power ON. Thereafter, the STS LED blinks in a cadence of 1sec ON and 1sec OFF.
- The system also feeds Dial Tone to the stations.
- Check for Dial Tone on the telephone instruments connected to the system.

LED Indication

LED	Status	Meaning	Cadence
PWR (Power)	ON	System Powered ON	Continuous
	OFF	System Powered OFF	
STS (System Status)	Slow Blinking	Health is Normal	1sec ON 1sec OFF
	Fast Blinking	AC Impedance test is running	500ms ON 500ms OFF
	Continuous ON/ Continuous OFF	System fault	

Configuring VISIONPRO

All parameters of VISIONPRO are configured by dialing the relevant command strings from a station phone connected to the system.

Phone Wizard only allows programming of the basic parameters. For detailed programming, refer the VISIONPRO System Manual.

Follow the instructions given below to configure the system using the Phone Wizard from the SE mode.

To enter the Phone Wizard programming mode,

- Dial **1#98-SE Password**.
Where,
Default SE Password is 1234.

Date and Time

To Set Current Date,

- Dial **27-Date-Month-Year-Day**
Where,
Date is from 01 to 31
Month is from 01 to 12
Year is from 00 to 99 (here, base year is '2000'. Enter '07' for year '2007')
Day is from 1 to 7 where, 1 = Sunday.

To Set Current Time,

- Dial **28-Hour-Minute**
Where,
Hour is from 00 to 23.
Minute is from 00 to 59.



Time has three parameters: Hour, Minute and Second. However, the above command has only two parameters. The third parameter, Seconds will be set as '00' whenever new time is programmed.

SE and SA Password

To Set New SE Password,

- Dial **291-New SE Password**

Where,

SE Password is a 4 digit number string. Valid digits are from 0-9. SE password must be strictly 4 digits long.

To Set New SA Password,

- Dial **292-New SA Password**

Where,

SA Password is a 4 digit number string. Valid digits are from 0-9. SA password must be strictly 4 digits long.

Class of Service (CoS)

To assign to individual stations,

- Dial **31-Ext-Day CoS Group-Night CoS Group**

To assign to all stations,

- Dial **31-* -Day CoS Group-Night CoS Group**

Where,

Ext is the flexible number of the station. Flexible number can be of 1,2,3 or 4 digits.

Day CoS group is from 0 to 7

Night CoS Group is from 0 to 7

Toll Control

To assign to individual stations,

- Dial **32-Ext-Day AL/DL List-Night AL/DL List**

To assign to all stations,

- Dial **32-* -Day AL/DL List-Night AL/DL List**

Where,

Ext is the flexible number of the station. Flexible number can be of 1,2,3 or 4 digits.

Allowed List (AL) is from 0 to 7.

Denied List (DL) is from 0 to 7.

Clear All the Features

To clear all features for a station,

- Dial **343-Ext**

Where,

Ext is the flexible number of a station. Flexible number can be of 1,2,3 or 4 digits.

Flash Timer for station

To assign to individual stations,

- Dial **36-Ext-Flash Timer Count**

To assign to all stations,

- Dial **36-*-Flash Timer Count**

Where,

Ext is the flexible number of a station. Flexible number can be of 1,2,3 or 4 digits.

Flash Timer Count is from 1 to 9 where Count 1 implies to 70-100 ms. For example, to set Flash timer value as 101-600 ms, dial Flash Timer Count as 6.

Flexible Number

To assign to individual stations,

- Dial **37-Software Port No-Flexible Number-#***

To load the default Flexible Numbers,

- Dial **37-*-0**

Where,

Software Port No is from 00 to 07.

Flexible Number can be any 1,2,3 or 4 digit number strings. Terminate the command using '#' if the flexible number consists of less than four digits. Two stations can not have the same flexible number.

Operator Station

To assign a particular station as the operator,

- Dial **391-Ext**

Where,

Ext is the flexible number of a station. Flexible number can be a 1, 2, 3 or 4 digit number string.

Trunk Parameters

To enable/disable a trunk and assign it a dial type,

- Dial **41-Trunk-Enable/Disable Flag-Dial Type Flag**

To set the enable/disable flag and the dial type for all trunks at once,

- Dial **41-*-Enable/Disable Flag-Dial Type Flag**

Where,

Trunk is from 0 to 2.

Enable/Disable flag codes are,

0 for Disable

1 for Enable

Dial type can be either Pulse or Tone where corresponding flag codes are,

0 for Pulse

1 for Tone

DID

To configure a trunk for DID calls,

- Dial **43-Trunk-Day Code-Night Code**

Where,

Trunk is from 0 to 2

Day Code/Night Code flags are,

0 for Disable

1 for Enable

DOSA

To configure a trunk for DOSA calls,

- Dial **45-Trunk-Day Code-Night Code**

Where,

Trunk is from 0 to 2.

Day Code/Night Code flags are,

0 for Disable

1 for Enable

Trunk Landing Destination for Day Mode

To assign the Trunk Landing Destination for Day Mode,

- Dial **47-Trunk-Ext1-Ext2-Ext3-Ext4**

To assign the Trunk Landing Destination for Day Mode for all trunks at once,

- Dial **47-* -Ext1-Ext2-Ext3-Ext4**

Where,

Trunk is from 0 to 2.

Ext1 to Ext4 are the flexible numbers of destination stations. Flexible number can be of 1,2,3 or 4 digits. Maximum four destinations can be programmed for a single trunk.

Trunk Landing Destination for Night Mode

To assign the Trunk Landing Destination for Night Mode,

- Dial **48-Trunk-Ext1-Ext2-Ext3-Ext4**

To assign the Trunk Landing Destination for Night Mode for all trunks at once,

- Dial **48-*Ext1-Ext2-Ext3-Ext4**

Where,

Trunk is from 0 to 2.

Ext1 to Ext4 are the flexible numbers of destination stations. Flexible number can be of 1,2,3 or 4 digits. Maximum four destinations can be programmed for a single trunk.

Hunt Timer

Hunt Timer is defined as the time for which a station rings when a trunk call lands on that station. It is similar to the 'Ring Timer'. On expiry of the Hunt Timer, the next station of the Station Group assigned to the trunk will start ringing.

To configure the Hunt Timer,

- Dial **212-Timer**

Where,

Timer is from 01-99 seconds.

Hunting Scheme

To configure the Day and Night Hunting scheme for a trunk,

- Dial **46-Trunk-Day Hunting Scheme-Night Hunting Scheme**

To configure for all trunks at once,

- Dial **46-*Day Hunting Scheme-Night Hunting Scheme**

Where,

Trunk is from 0 to 2.

Hunting Scheme is,

0 for Hunting Off

1 for Round Robin

2 for Delayed Simultaneous

3 for Immediate Simultaneous

To exit the Phone Wizard programming mode,

- Dial **0**.

You can exit the programming mode by dialing this command at any time.

Test Calls

Making an Internal Call

- Lift the handset.
- Dial the desired station's flexible number. Default flexible numbers are 21, 22, 23, 24, 25, 26, 27 and 28.
- The called station rings. You get the Ring Back Tone.
- Speech is established when the called station answers.

Making an External Call

- Lift the handset.
- Dial a Trunk Access Code (TAC). Default TACs are 0, 5, 61, 62, 63.
- Dial the external number.

Answering Calls

When a call is placed on your station from an internal caller, then your phone rings as -
Trin..... Trin..... This is called single ring.

If the caller is an external caller, and the trunk call lands on your station, then your phone rings as
- Trin....Trin.....Trin.....Trin..... This is called double ring.

The ring type differentiates an internal caller from an external caller.



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