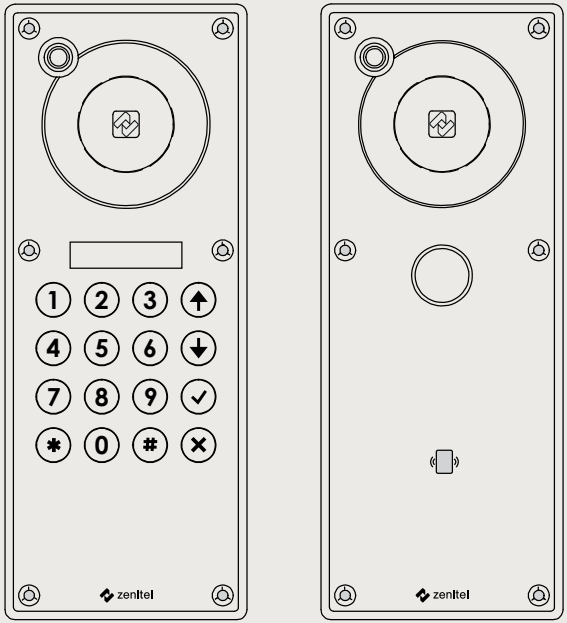
zenitel

TEIV+

Turbine Extended IP Video Station

Mounting & Installation Manual



A100K12201
v1.8

EN

zenitel.com

About

This document serves as a mounting and installation guide for the TEIV+ - Turbine Extended IP Video Stations.

For more information and instructions on configuration of the TEIV-1+ and TEIV-4+ go to: wiki.zenitel.com/wiki/Main_Page.

The TEIV+ series consists of the following components:

Item Number	Item Name	Description
1008317110	TEIV-1+	Turbine Extended IP Video Intercom with Keypad and Display
1008318240	TEIV-4+	Turbine Extended IP Video with RFID Card Reader Space
1008140330	TA-33	Turbine Extended On-wall Backbox
1008140340	TA-34	Turbine Extended Flushmount Backbox

Safety information

This manual contains important instructions that must be followed. These instructions are intended to ensure that the product is mounted and installed correctly to avoid equipment damage or property loss. Familiarize yourself with the components and follow the instructions step by step.

A note symbol indicates that extra care must be taken. Damage to equipment can occur, or it may not function as intended. Please read all warnings before installing this product.

Installation should only be carried out by qualified personnel with experience in low-voltage electrical systems. Ensure that the installer is familiar with local electrical codes and regulations.

Make sure that the installation complies with all applicable local, regional, and national regulations regarding electrical installations and low-voltage systems.

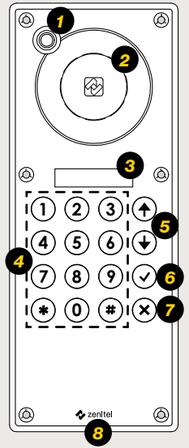
After installation, conduct a thorough test of the intercom system to ensure proper functionality. Test communication, audio quality, and any additional features according to the provided instructions.

Zenitel takes no responsibility for damages caused by improper or inadequate installation.

Description

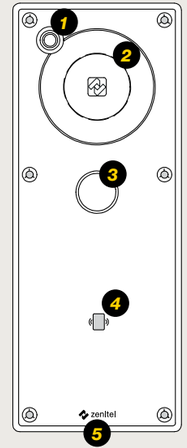
TEIV-1+

Item	Description
1	Camera
2	Speaker
3	LCD
4	Standard Keypad
5	Navigation Keys
6	Confirmation/Call Key
7	Cancel Key
8	Microphone

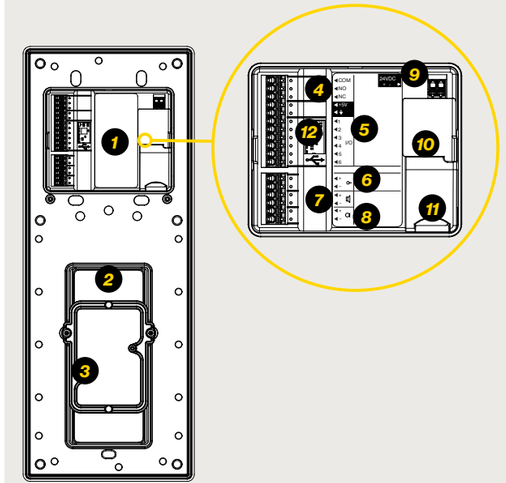


TEIV-4+

Item	Description
1	Camera
2	Speaker
3	Call Key
4	Card Reader
5	Microphone



Rear



Item	Description	Comment
1	CPU Module	
2	Card Reader Space	Only in use for TEIV-4+
3	Card Reader Bracket	Only in use for TEIV-4+
4	Relay	Double Throw relay contact with 60W switching power. COM, NO, NC contacts are provided. Max: 250VAC/220VDC, 2A, 60W.
5	I/O Interface	6 general purpose I/Os.. Each I/O can be configured as either input, output, or LED driver.
6	Line Output	A balanced 600 ohm audio line out with induction loop signal.
7	Speaker Input	Connect an external speaker rated for 8 Ohm
8	Microphone Input	Electret mic input
9	Power Input	24VDC power input from external power supply
10	LAN Port	10/100/1000Mbps RJ-45 port connecting to Ethernet. PoE/PoE+ is supported.
11	SD-card Slot	
12	USB-C Port	Used during production process and for recovery

Installation

TEIV-1+/TEIV-4+ can be powered by PoE/PoE+. This is done by connecting an Ethernet cable to the **LAN port** of the station and a PoE switch.

To comply with EMC regulations, the TEIV+ must be installed with a shielded Ethernet cable with grounding at the switch end.

The included Snap On Ferrite (EMKOB99123.0100) must be attached to the Ethernet cable near the LAN port inside the backbox.

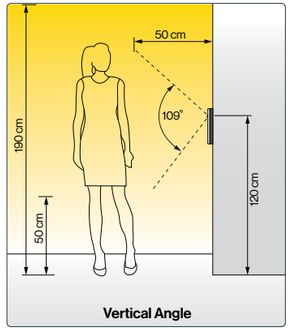
Mounting

Mounting considerations

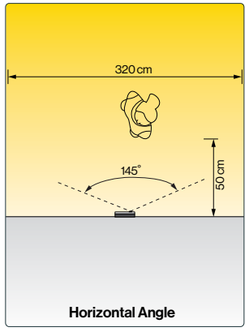
Ensure there is enough clearance under the station so that the microphone aperture is NOT smothered.

To achieve an optimal field of view, the station should be mounted so that the lens is placed at a height of approx. 120 cm.

The field of view is configurable up to 180 degrees both horizontally and vertically.



Vertical Angle



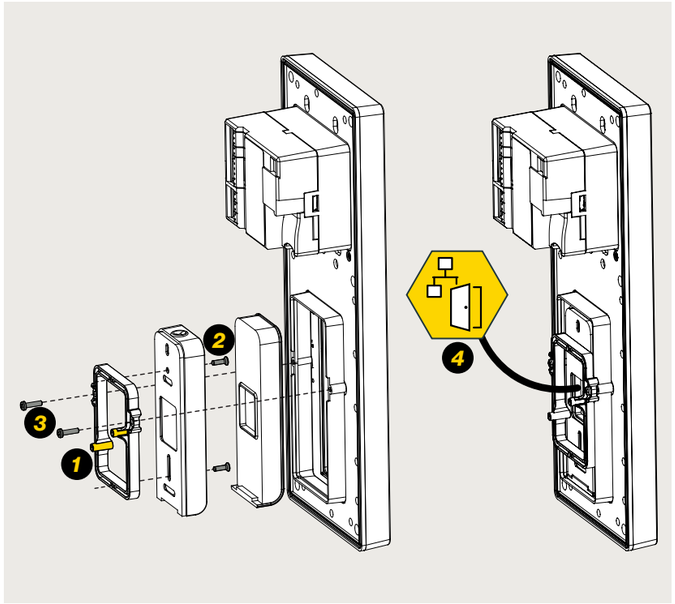
Horizontal Angle

Mounting card readers

The **TEIV-4+** has a card reader slot, fitting either **HID Signo 20 Reader Terminal Strip** or **TWN4 Palon Compact LEGIC PCB**. Do the following when mounting the card readers.

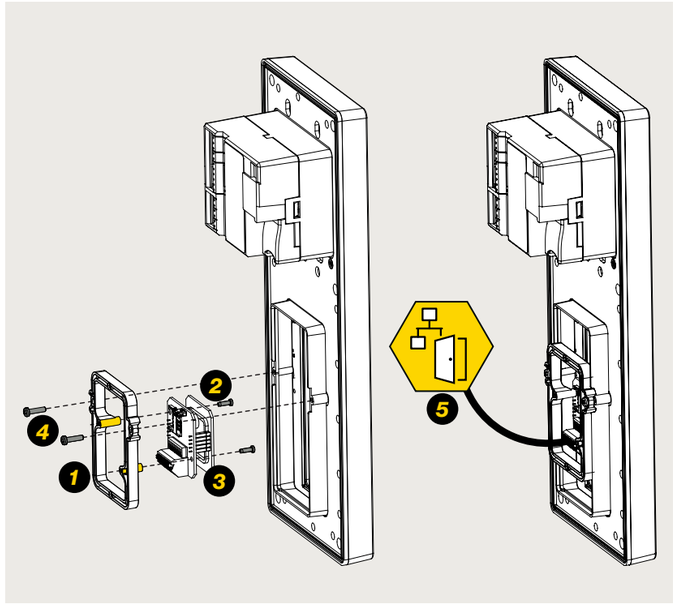
HID Signo 20 Reader Terminal Strip

1	Remove the **card reader bracket**. Make sure the **standoffs** are facing **outwards**.
2	Remove the reader's **back lid** and screw the lid to the bracket using the supplied **countersunk screws**.
3	Reattach the card reader to the lid, then fasten the bracket to the **TEIV-4+**.
4	Connect the card reader to the **local door controller** as part of the access system.



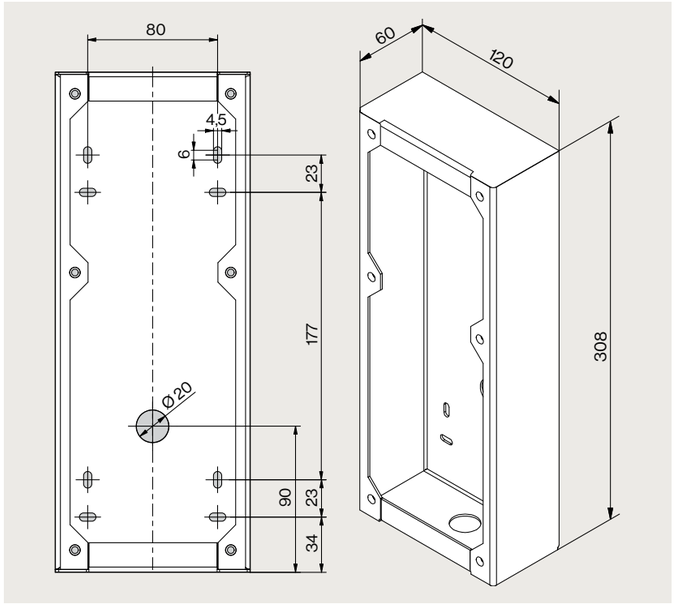
TWN4 Palon Compact LEGIC PCB

1	Remove the **card beader bracket**. Make sure the **standoffs** are facing **inwards**.
2	Split the reader into two parts. Using the supplied **pan head screws**, fasten the part with **screw holes** to the bracket.
3	Reassemble the card reader.
4	Attach the bracket to the **TEIV-4+**.
5	Connect the card reader to the **local door controller** as part of the access system.

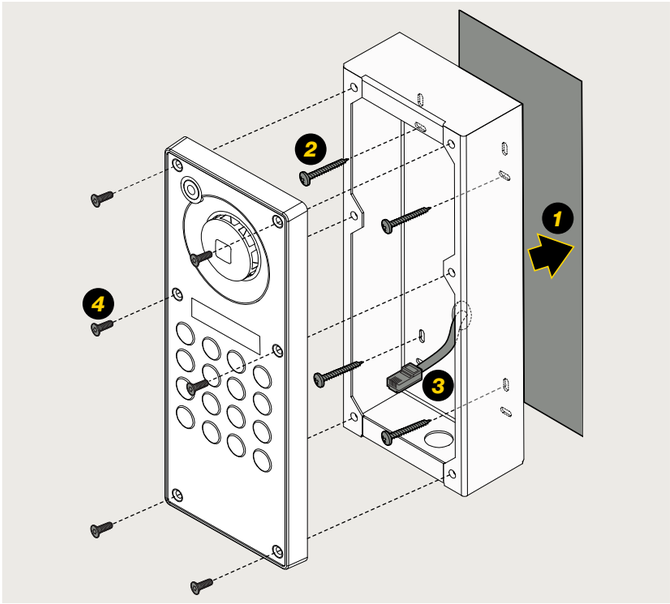


Flush mounting

For flush mounting the TEIV+, use the **TA-34** Turbine Extended Flushmount Backbox.



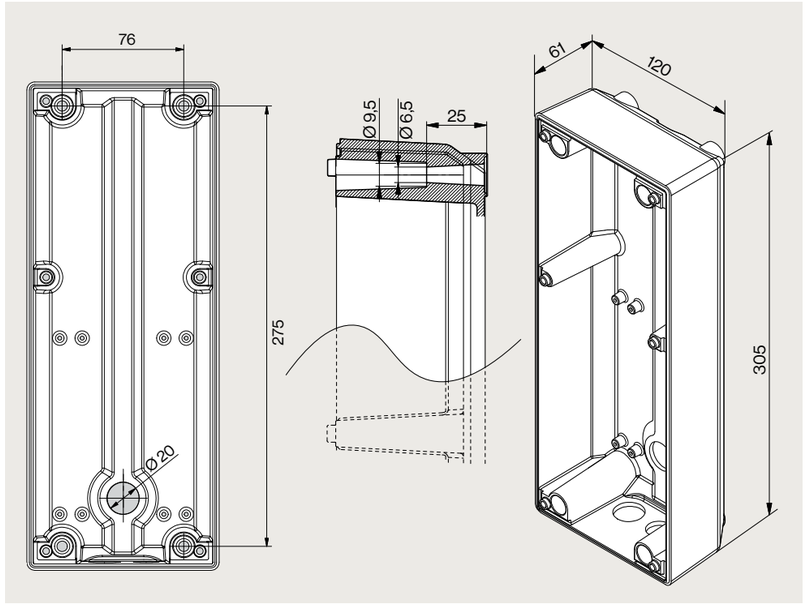
1	Insert the **TA-34** Backbox into designated slot in the wall.
2	Fasten the backbox to the wall.
3	Plug the Ethernet cable into **LAN port** on the station.
4	Mount the **TEIV+** onto the backbox with the M5 fasteners provided. Apply 3-4 Nm torque.



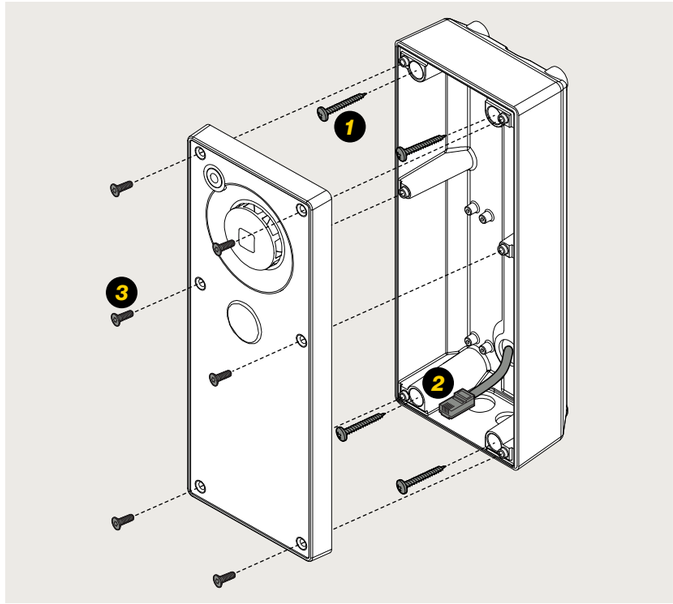
On-wall mounting

For mounting the Turbine Extended on the wall, use the **TA-33** Turbine Extended On-wall Backbox.

- Mounting holes are to be drilled as shown in the figure.
- Max. recommended screw diameter: ISO M6 or ANSI 1/4”.
- Screw length must be greater than 25 mm or 1”.
- A4 stainless steel socket head screws/bolts are recommended. Max. screw head diameter: 9.5 mm or 3/8”.



1	Mount the **TA-33** Backbox onto the wall using A4 socket head screws.
2	Plug the Ethernet cable into **LAN port** on the station.
3	Mount the **TEIV+** onto the backbox with the M5 fasteners provided. Apply 2-3 Nm torque.
!	**To ensure the IP66 rating, use the grommets and M20 cable gland provided for the cable holes on the backbox.**



Get started

When the **TEIV+** is connected to the network, its IP address is automatically obtained from a DHCP server or an IP address in the range **169.254.xx** will be assigned.

To prompt the station to announce its IP address, simply press the **Call Key** located on the station.

The TEIV+ is capable of operating in various modes, including **IC-EDGE, ICX-AlphaCom** and **SIP**. To register with **Zenitel Connect Pro** the TEIV+ must be in factory default mode. Setup and configuration will be managed through Zenitel Connect Pro. Enter the link or scan the QR-code to go to Zenitel Wiki for configuration instructions.

Zenitel Wiki: wiki.zenitel.com/wiki/Main_Page.

Contact Information

Visit zenitel.com to find your country's contact information.

Specifications

Technical Specifications	Value
Weight	TEIV-1+: 1.08kg TEIV-4+: 1.05kg
Dimensions (HxWxD)	305 x 120 x 72.5mm
Card Reader Space	TEIV-4+: 123 x 48 x 23 mm
IP Rating	IP66
IK Rating	IK08
Relative humidity	< 95% not condensing
Operating temperature range	-40° to 70° C / -40° to 158 ° F
Encapsulation material	Aluminium
Power Options	PoE, PoE+
PoE (power over Ethernet)	IEEE 802.3af standard, IEEE 802.3at
Power consumption	Idle 3.5W, max 12W (depending on volume)

Zentel hereby declares that this product is in compliance with the essential requirements and other relevant provisions of directive 2014/53/EU and all other applicable EU directive requirements. The complete declaration can be found at www.zenitel.com

The WEEE Directive does not legislate that Zenitel, as a 'producer', shall collect 'end of life' WEEE.

This 'end of life' WEEE should be recycled appropriately by the owner who should use proper treatment and recycling measures. It should not be disposed to landfill.

Many electrical items that we throw away can be repaired or recycled. Recycling items helps to save our natural finite resources and also reduces the environmental and health risks associated with sending electrical goods to landfill.

Under the WEEE Regulations, all new electrical goods should now be marked with the crossed-out wheeled bin symbol shown.

Goods are marked with this symbol to show that they were produced after 13th August 2005, and should be disposed of separately from normal household waste so that they can be recycled.

zenitel

DOC.NO.: A100K12201
v1.8

customer.service@zenitel.com