

### OVERVIEW & INSTALLATION

This guide covers the most common tasks required to get a **Digium TE110P** single-span T1/E1 card working efficiently with the PBX — installing the card into the server and creating the digital trunk.

#### INSTALL THE CARD INTO THE PBX SERVER

- 1. Set the **jumper** on the TE110P card to select the operation mode: **T1 or E1**.
- 2. Power off the the PBX server properly.
- 3. Open the server.
- 4. Insert the TE110P card into a free **PCI slot**.
- 5. Tighten the screw.
- 6. Close the server.
- 7. Connect the **T1/E1 port** to the service provider's port.
- 8. Boot up the the PBX server.

If everything is done as described above, the TE110P is successfully installed in the the PBX server.

#### T1 OR E1?

The jumper setting determines which provider type to select when creating the trunk: **Generic T1** (North America, 1.544 Mbps) or **Generic E1** (Europe, 2.048 Mbps).



### CREATING THE TRUNK

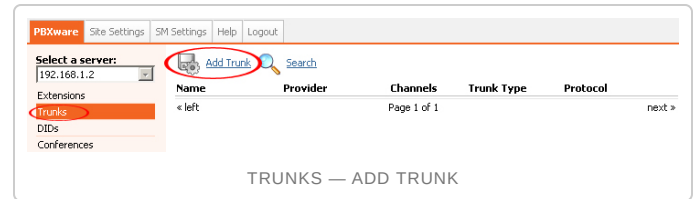
#### STEP ONE — ADD TRUNK

- Navigate to **Trunks** and click **Add Trunk**.
- Select the **Provider**: **Generic T1** or **Generic E1**, depending on how the TE110P jumper is configured (see Installation). This example uses **Generic T1**.
- Select **TE110P** from the **Device** list.
- Click **Next**.

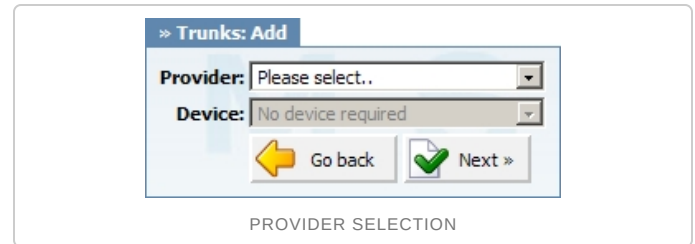
#### STEP TWO — TRUNK VALUES (REQUIRED)

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| <b>Name</b>            | Name for the trunk being created.                                                 |
| <b>Emergency Trunk</b> | If the trunk provider supports dialing of emergency services, select <b>Yes</b> . |

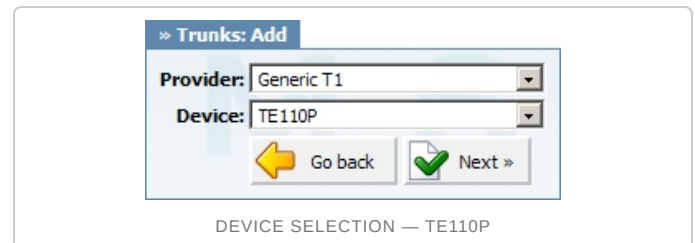
Click **Save**.



TRUNKS — ADD TRUNK



PROVIDER SELECTION



DEVICE SELECTION — TE110P

#### OPTIONAL TRUNK FIELDS

|                           |                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Channels</b>           | Single channel, or a range of channels being configured.                                                                                                       |
| <b>Group</b>              | Every ZAPTEL trunk belongs to a group; selecting any group enables the trunk. The PBX auto-selects the next available group; groups already in use are hidden. |
| <b>FXS Kewlstart</b>      | Receive audio/COR on an FXS kewlstart interface (FXO at the channel bank).                                                                                     |
| <b>Country</b>            | Select the trunk location.                                                                                                                                     |
| <b>E164</b>               | International public telecommunication numbering plan — Yes / No / N/A.                                                                                        |
| <b>Intl. Dialing Code</b> | Number required to make international calls from your country.                                                                                                 |

#### FINISH UP

Restart the the PBX server by clicking **Restart** at the top-right corner of the web interface.



### GLOSSARY

|                        |                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T1                     | North American standard for digital transmission — a link with a capacity of 1.544 Mbps, used to connect networks across remote distances; bridges and routers connect LANs over T1 networks. |
| E1                     | European format for digital transmission — a wide-area scheme used predominantly in Europe carrying data at 2.048 Mbps; E1 lines can be leased for private use from common carriers.          |
| DHCP                   | Dynamic Host Configuration Protocol — lets network administrators manage and automate IP address assignment.                                                                                  |
| IP Address / LAN / WAN | Internet Protocol address · Local Area Network · Wide Area Network.                                                                                                                           |
| Local / Remote         | Local: devices on the LAN. Remote: devices managed from a network other than the one they connect to directly.                                                                                |
| Hub / Switch / Router  | Connection point for network devices · selects a path for data to its next destination · forwards packets between LANs/WANs.                                                                  |
| UAD                    | User Agent Device.                                                                                                                                                                            |
| PIN / Voicemail        | Personal Identification Number · electronic voice messages stored until the recipient listens to them.                                                                                        |
| Web Interface          | The system of controls with which the user manages a device.                                                                                                                                  |

### NEED A HAND?

Contact your service provider using the support details shown in the footer of this guide.