



USER GUIDE

Hi!



Thank you for your purchase of **PTS-Beacon** or as it is more commonly known to friends and family, just "Beacon". As we're quite sure you're aware, in the world of SIP and VoIP there are no analog ring voltages present that can be used to trigger an old-school strobing studio flasher. **Beacon** is designed with one goal in mind - to give announcers and operators a visual indication their phone line is ringing when utilizing a *Telos VX*® Broadcast VoIP Phone System. Of course if you can think of any other application that requires a flashing amber light, feel free to use it there too!

Getting Started

- 1) Plug **PTS-Beacon** into your AoIP network using a PoE enabled port (or a PoE injector). Standard PoE is fine. As is Cat5 cable.
- 2) Login. The default address for the web interface is **192.168.30.147**. Once you are presented with the Login prompt, enter your credentials. If you've ever used an *Axia*® *Livewire+*™ product the default User/Pass will be quite familiar:

A screenshot of the login interface for PTS Beacon. It features a dark gray background with three red input fields. The first field is labeled "USERNAME" and contains the text "USER". The second field is labeled "PASSWORD" and is empty. The third field is a red button labeled "SUBMIT". The word "LOGIN" is centered at the top of the form area.

LOGIN	
USERNAME	USER
PASSWORD	
SUBMIT	

Configuration

You will see a total of 4 navigation tabs in the header bar of the Beacon GUI.
Below we will cover off what you will find / configure in each of the tabs.

NETWORK
EVENTS
UPDATE
ADMIN

NETWORK CONFIGURATION

STATIC IP

NETMASK

DEFAULT GATEWAY

SUBMIT

Change Your IP Address

Beacon at time of shipping can be found at 192.168.30.147. It is recommended that you change the static IP of the unit to a vacant address that falls within the subnet of your Axia® Livewire+™ network. We need to reside in that range.

The default gateway can be 0.0.0.0, or simply set it to the IP address of the switch acting as the 'core' switch for your Axia network.

Upon confirmation, the unit will reset and the GUI will be found at the **<New IP>** address you just configured on this page. You'll then move the ethernet cable from Beacon to your Axia switch to continue configuration.

NETWORK
EVENTS
UPDATE
ADMIN

NEW UNIT NAME

NEW UNIT NAME

SUBMIT

NEW USERNAME

NEW USERNAME

SUBMIT

NEW PASSWORD

NEW PASSWORD

REPEAT PASSWORD

SUBMIT

Unit Name.

Editing this field will change the persistent name of the unit that is displayed in the bottom left hand footer of the user GUI. Very handy if setting up and configuring multiple units at a site for ease of reference at a quick glance.

Username.

Editing this field will change the default username of the unit (the one you use when logging into the GUI).

Password.

Editing these fields will set a password for the unit. Make sure you write it down! A factory reset will be required to return the unit to default credentials if you lose it.

NETWORK
EVENTS
UPDATE
ADMIN

BANK 1: BEACON_VERSION_1.1.5

BANK 2: BEACON_VERSION_1.1.5

SUBMIT

PICK FILE

Choose File No file chosen

SUBMIT

Bank Control

Choose which Firmware slot is actively running on your Beacon unit. The active version is persistently displayed on the right side of the GUI Footer for quick reference.

File Management

Upload a new Firmware file to your Beacon. The upload will overwrite the currently 'inactive' slot.

Creating An Event

When first visiting the 'Events' page, you will be presented with the <+> button. Click it to enter the Event Creation page.

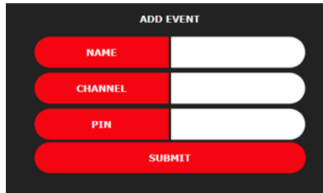


Add Event

The 'Name' field is user definable. This is simply for your reference as to what the event you are creating is monitoring. ie: VX Line Ringing, Off-Air, EAS active, etc.

The 'Channel' field is where you add the *Livewire+™* channel you wish to monitor over the multi-cast network. Beacon is a passive monitor of the network, it does not inject any packets into the multicast network. It just listens.

The 'PIN' field is where you select the *Livewire+™* GPIO pin you wish to monitor over the network. 99% of the time this will be set to the number '1', but check the Axia documentation for your specific source type, or if you are **manually** setting a specific PIN in Pathfinder, Pathfinder Core PRO, or a VX system – ensure that the PIN being sent and the PIN entered here for monitoring are entered consistently.



Sample configuration: Beacon monitors VX for "Line Ringing" status

BEACON GUI



Add (+) Event

EDIT EVENT

NAME	VX RINGING
CHANNEL	20021
PIN	3
SUBMIT	

Enter Channel and PIN

EVENTS

VX RINGING	[X]	[E]
+		

Success!

GPIO Indications:

	Indication	Channel	Pin	Type	Delete
#1	Line ringing (any) ▼	20021	Pin 3 ▼	To GPIO ▼	☐
#2	▼	0	Pin 1 ▼	To GPIO ▼	☐
#3	▼	0	Pin 2 ▼	To GPIO ▼	☐
#4	▼	0	Pin 4 ▼	To GPIO ▼	☐
#5	▼	0	Pin 5 ▼	To GPIO ▼	☐
Add New: ▼ ▼ ▼ To GPIO ▼					

TELOS VX® GUI

Note

If you ever forget the IP address or user configured credentials to log in to the Beacon GUI, there is a Factory Reset button on the PCB board inside the unit.

Depressing the button for a minimum of 5 seconds while the unit is powered on should restore default user/pass credentials and the Beacon's factory default IP address (192.168.30.147).

Too Bright?

We have provided a trim pot with roughly 180° of sweep, externally accessible on the outer shell of the Beacon unit.

LEFT = Dimmer / RIGHT = Brighter

Simply look for the small hole in the exterior sidewall of the chassis and use a Precision Screwdriver / Tweaker to dial in the setting that's right for you!



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Manual Changelog

v1.0 - May 2023 - Initial Release

v1.1 - May 2024 + Updated GUI screenshots - Updated User Credential workflow

v1.2 - Sept 2025 + Updated GUI screenshots and Header graphics to match v1.1.5 firmware

Firmware Changelog

v1.1.0 - May 2023 - Initial Release

v1.1.2 - May 2024 - hotfix updates / network stack

v1.1.3 - May 2025 - hotfix updates

v1.1.5 - Sept 2025 + unifies Beacon and OALfB firmware.

- + Adds alternate PCB support.

- removes port :8080 requirement for GUI access