

## ACCREDITED SOLUTION

SAILOR 500/250/150 FleetBroadband – Horizon VoIP PBX



Document Name: SAILOR 250/500 – Horizon VoIP PBX

Revision: A

Introduction: This document describes the Horizon VoIP PBX that allows up to 8 analogue telephones over the FleetBroadband.

Typical Users:

- ▶ Merchant vessel
- ▶ Luxury Yachts
- ▶ Coast Guard
- ▶ Oil rigs
- ▶ Patrol boats

Product Description: Controlling costs for mobile satellite communications has always been a concern. Even with higher bandwidth IP-based services, pay-per-megabyte pricing still tends to restrict usage to only the most critical communications.

The Horizon VoIP PBX from SatCom Global is a very bandwidth-efficient VoIP service that allow simultaneous calling of up to 8 analogue telephones over the FleetBroadband standard data link. This is enabled by the SmartPacket™ technology that offers VoIP from only 2kbps. The technology has built-in flexibility meaning the user can choose the call quality during the call for optimal cost/quality control:

**Level 1** 2.15kbps

**Level 2** 3.75kbps

**Level 3** 5.75kbps

(Bandwidth required for both talking and listening. Excludes IP headers at all levels.)

There is minimal equipment to be installed and you can be making calls within minutes of setting up. The VoIP PBX just needs a wired internet connection and mains power supply. It supports connection with any 2-wire analogue telephone, allowing easy integration with existing telephone systems. The device also supports a “follow-me” service where users can receive VoIP calls and voicemail on any Horizon phone in your company.

SatCom Global contact details:

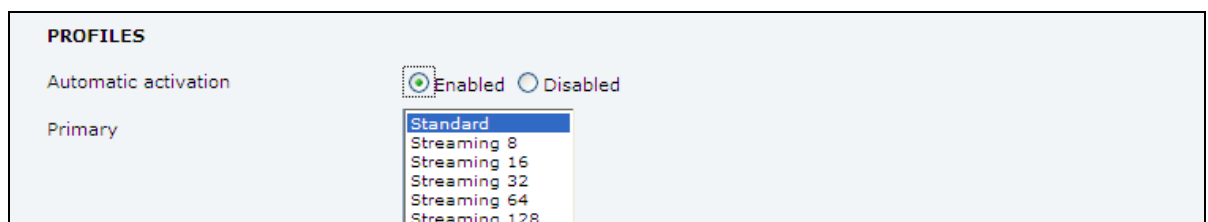
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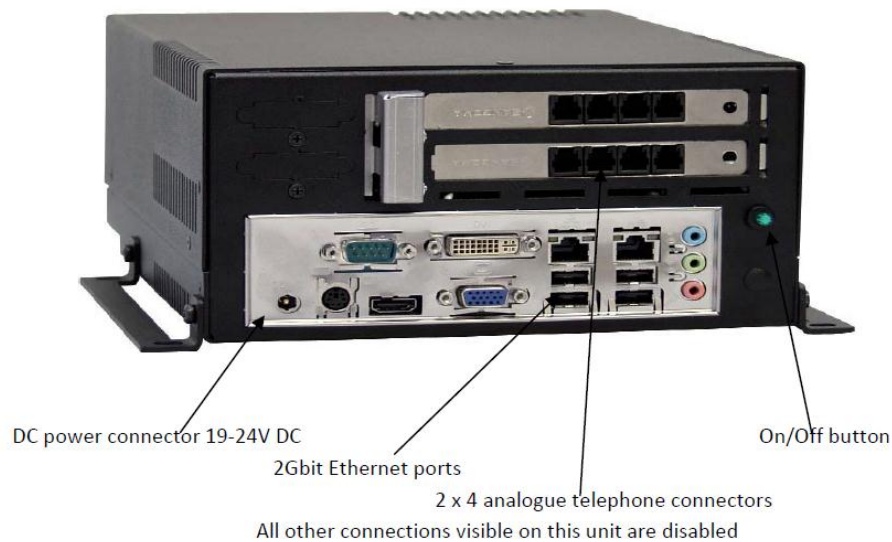
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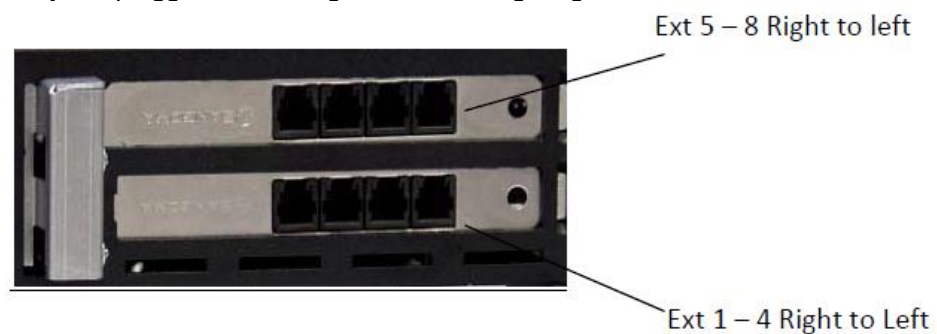
Tested on products: SAILOR 500 FleetBroadband      Software version: 1.13  
Horizon VoIP PBX      Software version: 1.14

Instructions: Installing the Horizon VoIP PBX solution is straightforward. Simply supply power and connect an Ethernet cable between one of the SAILOR FleetBroadband below deck unit LAN ports and the Ethernet of the Horizon VoIP PBX. Ensure that the SAILOR FleetBroadband Default user group is in automatic activation mode.





Telephone extension numbers 1 to 8 are allocated to the handsets according to the telephone socket into which they are plugged, according to the following diagram:



The Horizon VoIP PBX unit must be activated on line by visiting [www.satcomglobal.net](http://www.satcomglobal.net). Instructions on how to do this are provided in the License Activation Pack which is supplied when you purchase your license. The Horizon system will work over any other IP network, such as the SAILOR 900 VSAT, and is not limited to SatCom Global FleetBroadband airspace.

Pre-paid users have their own account with SatCom Global and receive a PIN (personal identification number) which enables them to use a Horizon phone. They buy vouchers to top up their Horizon account with a specified number of credit units. Before and after every phone call, a voice message tells the pre-paid user the number of credit units remaining on their account.

During the conversation, press 3□ for better voice quality or 1□ for lower voice quality but greater cost savings using better voice quality will use your pre-paid units more quickly. The phone always starts with voice quality 2 (medium quality).

**Note:**

Please contact SatCom Global for further information regarding their solution offering.

**Tested:**

All tests, both incoming and outbound voice calls, were performed on Standard Data with success.

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