MINI PTT SERVER MANAGEMENT PANEL

User Manual
Version 1.0

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1. INTRODUCTION

Mini PTT Server Management Panel is the User Account and License Management Software System developed to help System Administrators create, delete and modify User Accounts & Licenses for PoC App, Dispatcher, Control Stations, Companies as per their requirement. Detailed Description for each of the management units have been described in this manual.

2. INSTALLATION SETUP
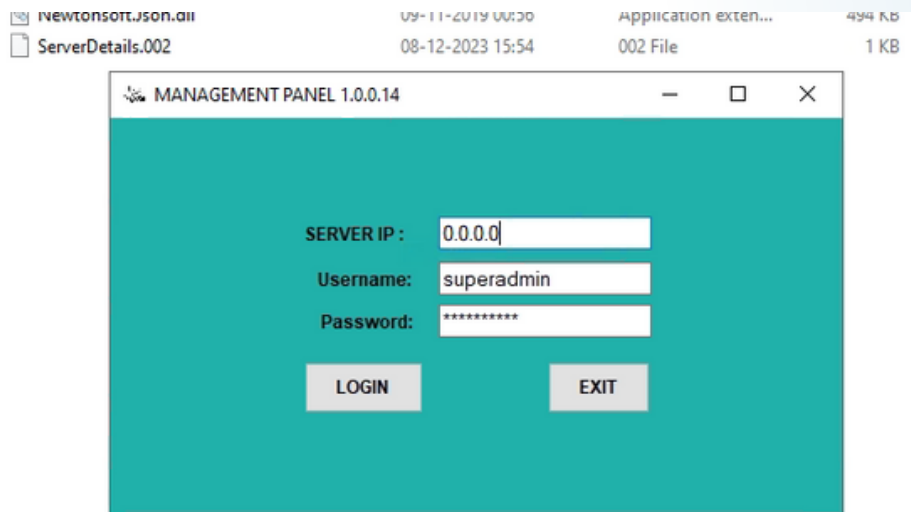
1. System Requirements

- System with Windows OS
- Dot Net Framework 3.5 enabled
- IP Connectivity to Mini PTT Server

2. Setup Configuration

- Copy the "ManagementPanel.rar" from the Installation CD and extract it to your desired location.
- Create a desktop shortcut of "ManagementPanel.exe" on your desktop
- Run "ManagementPanel.exe" from your desktop. A Login Screen will appear as below :

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LOGIN PAGE

- Enter the Mini PTT Server IP Address/ Domain*
- Enter the default Panel Username and Password shared with you.
- Click on Login and wait for Panel to establish connection with Server.
- On Successful Login, you will see all Account Management Tabs on top.

Note: *If connecting to Mini PTT Server from a local or private network, this IP is the DHCP Assigned/ Manually assigned local system ip address. If connecting to Mini PTT Server from a public ip, this IP will be the WAN Public Static IP or Domain Name assigned to the Mini PTT Server Internet Connection.

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Manufactured by
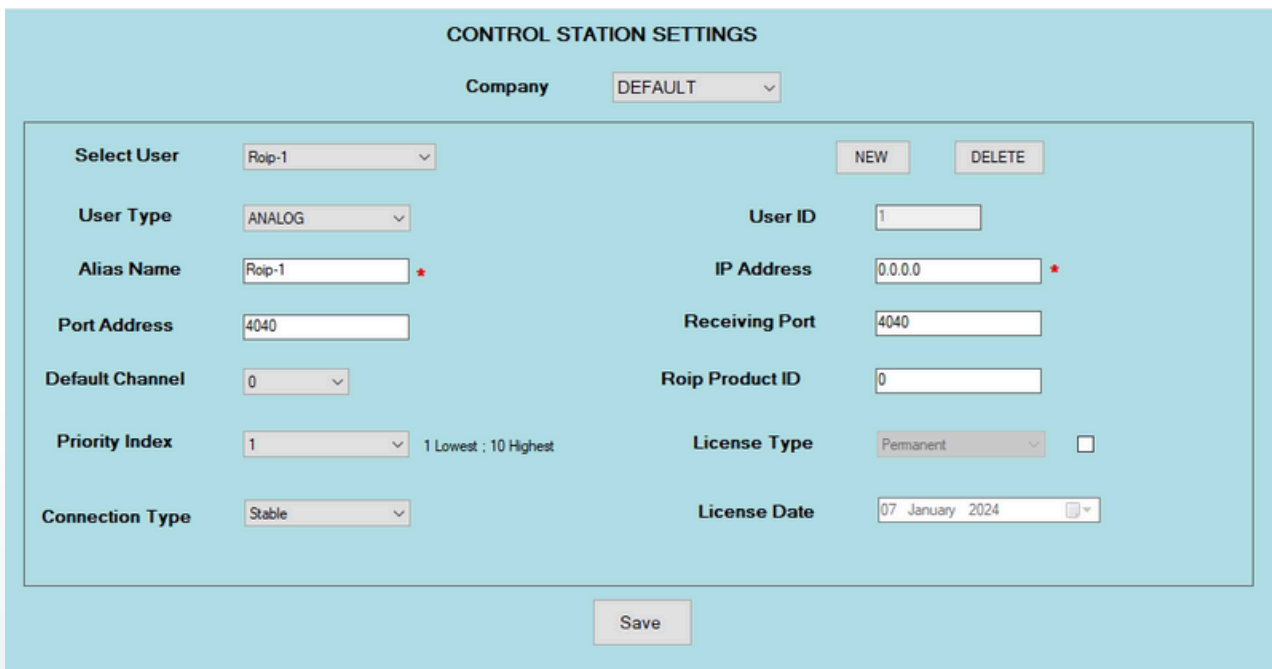**STACKIOT TECHNOLOGIES PRIVATE LIMITED**
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3. CONTROL STATION ACCOUNT MANAGEMENT

- Control Station Account is defined to allow connections from the RoIP Devices to the Mini PTT Server. RoIP devices can be single port or four port, depending upon the RoIP Model. One Control Station Account allows only one RoIP Radio Port Connection.

- Under this Tab, you can create, update or delete Control Station Accounts under different Companies.

Note: *New Company creation is explained under Company Management Section. When you login for the first time, a default Company is available. This company account can be selected if Mini PTT Server services are been used by a single company only.

[Control Station Page]

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All Control Station Account Parameters are described below:

Parameter	Description	Field Type	Editable
Company	Select the Company, under which the Account is to be created	Mandatory	Yes
User Type	• **Analog** - RoIP with basic audio communication (Supported Models ROIP-300D, ROIP-400) • **Analog DTMF** – RoIP with DTMF Dialing and Channel Change (4 PIN) (Supported Models ROIP-300D, ROIP-400) • **Analog RC** – RoIP with Remote Channel Change (2 PIN) (Supported Models ROIP-300D) • **Digital -** ROIP with digital functionalities like DTMF Dialing, Channel Change, GPS (Supported model ROIP 300Dx)	Mandatory	Yes
User ID	Unique Control Station Account ID	Auto-generated	No
Alias Name	Control Station Display Name	Mandatory	Yes
IP Address	IP Address of the RoIP Device	Optional	Yes
Port Address	Connection Port Address of the RoIP Device	Optional	Yes

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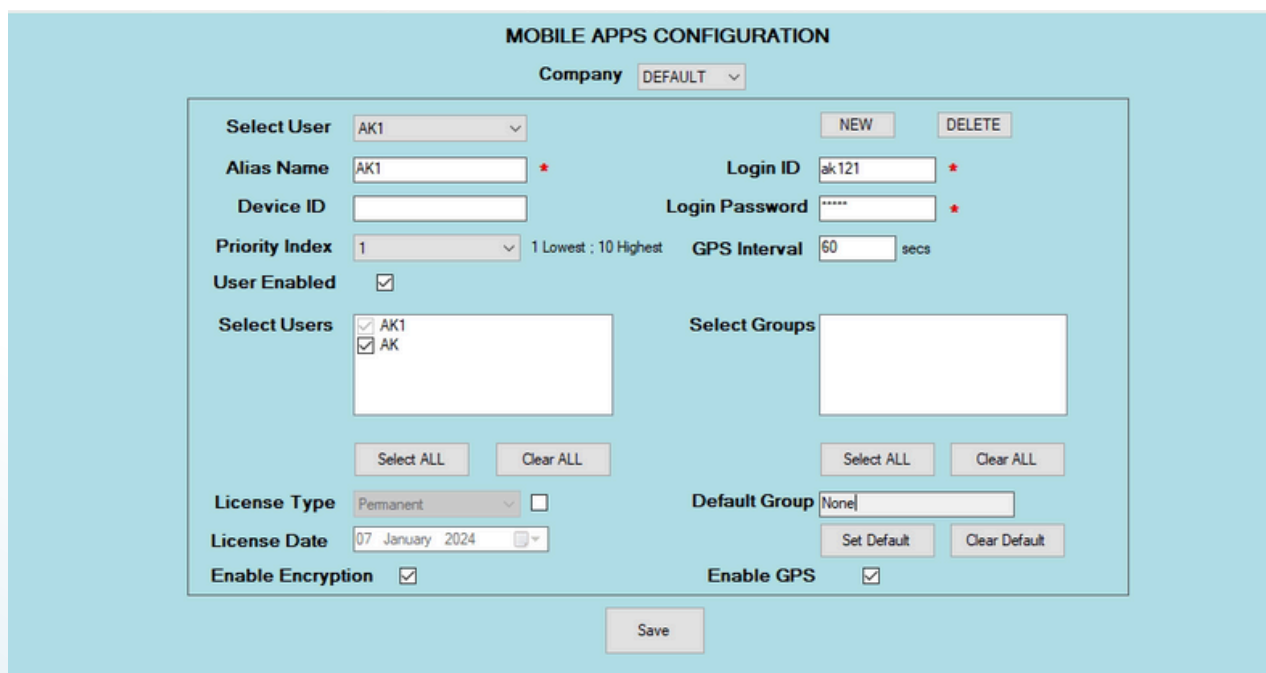
Receiving Port Address	Receiving Port Address of Control Station Account. To be configured in the Remote Port Paramater of RoIP	Auto-generated	Yes
Default Channel	To Set RoIP Radio to a pre-defined Channel once it gets connected.(Available only in User-Type-**Analog DTMF)**	Optional	Yes
RoIP Product ID	To Assign Control Station to a particular RoIP Hardware. To Assign, enter Last four digits of RoIP Hardware Mac Address. Leave as blank or 0 for None	Optional	Yes
Priority Index	Priority Index from 1 to 10 (1 is Lowest, 10 is Highest). Used to prioritize audio in case of simultaneous transmission from different devices.	Optional	Yes
License Type	• **Trial –** Trial Account valid till License Date • **Subscription –** Monthly/ Yearly Subscription Account valid till License Date • **Permanent –** Account Valid for lifetime. No License Date.	Mandatory	Yes
License Date	License Expiry Date. Account will not work after this date. Applicable only in case of Trial & Subscription License Type.	Mandatory (for Trial / Subscriptio n Type)	Yes

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Connection Type	• **Stable –** default Connection Type • **Unstable –** for RoIP device having poor internet connection with frequent ping timeouts.	Mandatory	Yes

4.PoC APP ACCOUNT MANAGEMENT

PoC (Push to Talk over Cellular) App Account is defined to allow PoC App on Smartphones or Android Radios to connect to the Mini PTT Server. One PoC App Account can be used by only one PoC Radio or Smartphone at a time.

[PoC App Account Management]

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Under this Tab, you can create, update or delete PoC App Accounts under different Companies.

All PoC App Account Parameters are described below:

Parameter	Description	Field Type	Editable
Company	Select the Company, under which the Account is to be created	Mandatory	No
Alias Name	Unique App Account Display Name	Mandatory	Yes
Login ID	Unique App Login Username	Mandatory	Yes
Login Password	App Login Password (Min 5 characters)	Mandatory	Yes
Device ID	Hardware ID on which App Account is running	Optional	Yes
Priority Index	Priority Index from 1 to 10 (1 is Lowest, 10 is Highest). Used to prioritize audio in case of simultaneous transmission from different devices.	Optional	Yes

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GPS Interval	GPS Update Interval (in seconds)Default: 60 seconds	Mandatory	Yes
User Enabled	Uncheck the Option to Pause App Account Temporarily	Optional	Yes
Select Users	Define PoC Accounts Scope for this App Account. Only the Accounts selected here will be available to the PoC App for Private Calling, Monitoring.	Optional	Yes
Select Groups	Define Talk-group Channels Scope for this App Account. This App Account can only communicate on the groups assigned here.	Optional	Yes
Default Group	Select the Group from the List and click "Set Default" to define the default group. App Account will auto-switch to this default account on login.	Mandatory	Yes
License Type	• **Trial –** Trial Account valid till License Date • **Subscription –** Monthly/ Yearly Subscription Account valid till License Date • **Permanent –** Account Valid for lifetime. No License Date.	Mandatory	Yes

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License Date	License Expiry Date. Account will not work after this date. Applicable only in case of Trial & Subscription License Type.	Mandatory (for Trial / Subscription Type)	Yes
Enable Encryption	Enable this option for AES 256 Encryption for this App Account	Optional	Yes
Enable GPS	Enable this option to allow Live GPS Tracking for this App Account	Optional	Yes

5.DISPATCHER APP ACCOUNT MANAGEMENT

Dispatcher App Account is defined to allow Dispatchers to communicate, monitor and manage communications of PoC Apps, Control Stations from their system remotely using the Dispatcher Software. One Dispatcher Account allows connection from one Dispatcher Software to the Mini PTT Server at a time.

Under this Tab, you can create, update or delete Dispatcher App Accounts under different Companies.

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[Dispatcher Account Management]

All Dispatcher Account Parameters are described below:

Parameter	Description	Field Type	Editable
Company	Select the Company, under which the Account is to be created	Mandatory	No
Alias Name	Unique Dispatcher Account Display Name	Mandatory	Yes

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Login ID	Unique Dispatcher Login Username	Mandatory	Yes
Login Password	Dispatcher Login Password (Min 5 characters)	Mandatory	Yes
Device ID	Hardware ID on which Dispatcher Account is running	Optional	Yes
Priority Index	Priority Index from 1 to 10 (1 is Lowest, 10 is Highest). Used to prioritize audio in case of simultaneous transmission from different devices.	Optional	Yes
Select Apps	Define PoC Accounts Scope for this Dispatcher Account. Only the Accounts selected here will be available to the Dispatcher for Private Calling, Monitoring.	Optional	Yes
Select Users	Define Control Station UsersScope for this Dispatcher Account. Only the Control Station Users selected here will be available to the Dispatcher for monitoring, communicating or grouping.	Optional	Yes

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Select Groups	Define Talk-group Channels Scope for this Dispatcher Account. Dispatcher Account can only communicate on the groups assigned here.	Optional	Yes
License Type	• **Trial –** Trial Account valid till License Date • **Subscription –** Monthly/ Yearly Subscription Account valid till License Date • **Permanent –** Account Valid for lifetime. No License Date.	Mandatory	Yes
License Date	License Expiry Date. Account will not work after this date. Applicable only in case of Trial & Subscription License Type.	Mandatory (for Trial / Subscription Type)	Yes

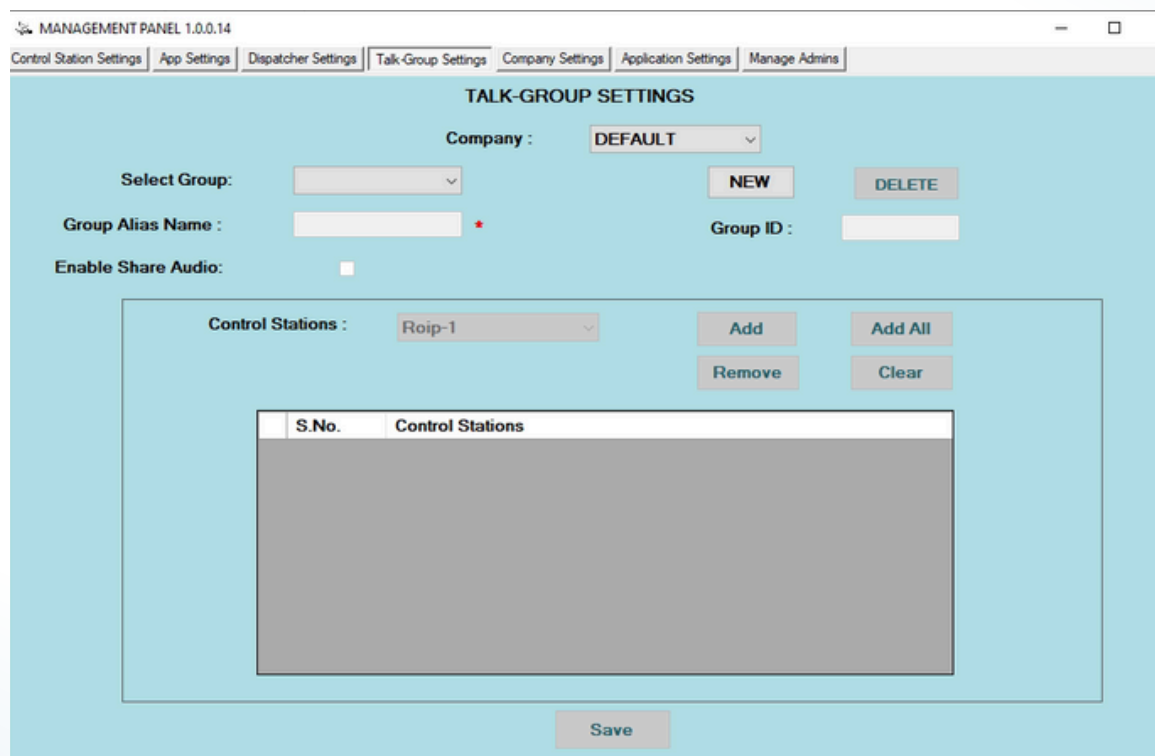For any support, email us at support@stackiot.tech

6.TALK-GROUP MANAGEMENT

Talk-Group is defined as the Channel or Talk-Group which will be selected by the PoC Apps or Dispatchers to communicate with a group of users.

Under this Tab, you can create, update or delete Talk-Groups/ Channels under different Companies.

[Talk-Group Management]

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All Talk-Group Parameters are described below:

Parameter	Description	Field Type	Editable
Company	Select the Company, under which the Talk-Group is to be created.	Mandatory	No
Group Alias Name	Unique Talk-Group/ Channel Display Name.	Mandatory	Yes
Group ID	Unique GroupID	Auto-generated	No
Enable Share Audio	This option enables bridging between the selected Control Stations, allowing communication in a broadcast mode between these Control Stations.	Optional	Yes

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Select Control Station	• Add, Remove Control Station from the scope of this Talk-Group. • Communication on this Talk-group by App/Dispatcher will be forwarded to the Control Stations added here. • Communication from Control Stations added here will also be forwarded to the App/Dispatcher on this Talk-Group Channel. • Communication from one Control Station to other Control Stations added here will only be forwarded if "Enable Share Audio" Parameter is enabled.	Optional	Yes

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7.COMPANY ACCOUNT MANAGEMENT

Company Account is defined for a Company/ Organization/ Institution/ etc to allow multiple companies to utilise the same Mini PTT Server with all their Accounts, Communication separate from each other. A Default Company is automatically created on setup. Default Company can't be deleted.

Under this Tab, you can create, update or delete different Companies.

[Company Account Management]

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Parameter	Description	Field Type	Editable
Company Name	Unique Company Name	Mandatory	Yes
Company ID	Unique Company ID	Auto-generated	No
Total PTT App Licenses	Maximum No of PTT App Accounts allowed under this Company	Mandatory	Yes
Total Dispatcher Account Licenses	Maximum No of Dispatcher Accounts allowed under this Company	Mandatory	Yes
Total Control Station Account Licenses	Maximum No of Control Station Accounts allowed under this Company	Mandatory	Yes
Active PTT App Licenses	Total No of Active PTT App Accounts under this Company	Auto-generated	No

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Active Dispatcher Account Licenses	Total No of Active Dispatcher Accounts under this Company	Auto-generated	No
Active Control Station Account Licenses	Total No of Active Control Station Accounts under this Company	Auto-generated	No
Company Users	Displays List of All Accounts, Groups under this Company	Auto-generated	No

8. Admin Configuration

Manage Admins section allows you to manage/create your admin account. You can add multiple admin accounts who will manage configurations/changes in the PTT Server.

Under this Tab, you can create, update or delete multiple admin accounts..

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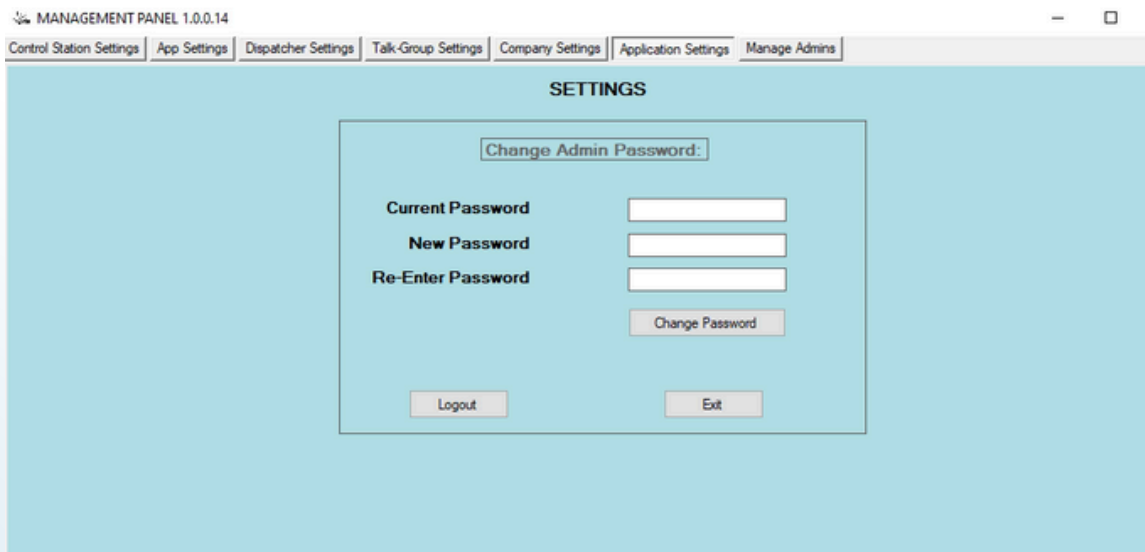**Manage Admins**

9. APPLICATION SETTINGS

Application Settings Section allows the User to
- Change the Login Password for Management Panel
- Logout from the current Login Session
- Exit the Management Panel

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