Bonrix Terminal Management System for Soundbox - Feature List

Bonrix Terminal Management System for Soundbox - The Payment Terminal:

1. API for Soundbox Device Provisioning:

- This API facilitates the allocation and deallocation of devices to merchants.

- Banks or payment gateways use this API to connect their merchant or user management panels with the soundbox devices.

- It allows enabling or disabling specific soundboxes or devices.

2. Bulk Device List Upload:

- From the management web control panel, administrators can upload a bulk list of soundbox serial numbers and credentials.

- After login to the web panel, they can manage soundboxes efficiently.

3. Testing Soundbox Functionality:

- Administrators can test soundboxes directly from the management web control panel.

- By sending different commands in MQTT message payloads, they can verify functionality and responsiveness.

4. Transaction Confirmation Notifications:

- The system maintains a transaction list for payment confirmation notifications sent to specific devices.

- Merchants receive real-time updates on successful transactions.

5. Payment Confirmation API:

- Banks or payment gateway providers can use this API to send payment confirmations to specific merchants or users.

- These notifications are routed to the allocated soundboxes.

6. Text-to-Speech Processing:

- Before sending payment notifications to soundboxes, the system processes text data (such as payment amounts) based on the language and soundbox type.

- This ensures accurate and contextually appropriate audio notifications.

7. Health Check Status Collection:

- The system collects health check status messages from all soundboxes.

- These status updates are searchable events within the TMS (Terminal Management System) web panel.

8. Language Change Commands:

- Administrators can send language change commands to soundboxes.

- Once the language pack is downloaded and successfully changed, feedback messages are collected via the web panel.

9. Text-to-Speech (TTS) Audio Broadcasts:

- TTS capabilities allow broadcasting marketing messages or other campaigns.

- Audio files (in MP3 or wave format) can be pushed to soundboxes for instant playback.

10. Grouping Soundboxes:

- Soundboxes can be grouped based on territory, customer type, or other relevant categories.

- This simplifies management tasks on the control panel.

11. Device Troubleshooting:

   - Administrators can troubleshoot specific devices by sending commands for battery status, health status, or network connectivity.

   - Responses from soundboxes are collected and displayed on the web panel.

12. Device Monitoring and Statistics:

   - The dashboard provides real-time monitoring of connected, not connected, and disabled devices.

   - Statistics help track device performance and connectivity.