

WiFi Information

Model: BEI-SRD-001-USB+WIFI

Step1: Display message:

Bonrix Embedded Innovations

Device Name: Bonrix 7 inch Smart Retail Display

QR code USB + WiFi feature portrait Display.

Digital Signage + DQR UPI Payment + Billing Screen

Item Code: BEI-SRD-001-USB+WIFI

Command Type: Send Text command

JPEG Size: 320 X 480 Pixels

Display Type: DQR + ImageRotation

Display Size: 480 x 800 Pixels

Promotional Image Size: 480 x 480 pixels

Version: 1.0.0

Serial No:119209018210088

embedded-innovations.com

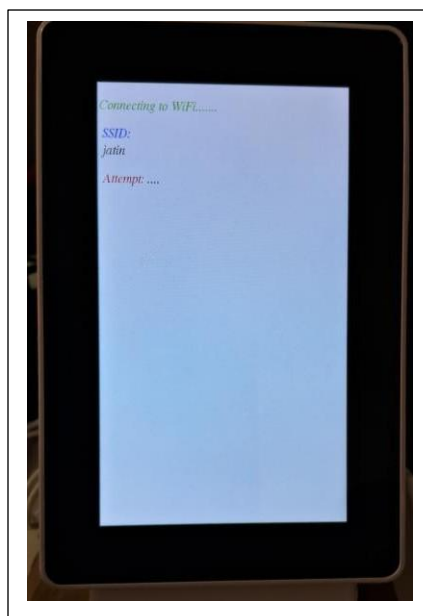


Step2: Find Wifi Connection:

ConnectingtoWifi.....

SSID : jatin

Attempt:



Step3:Hotspot Mode:

IP: 192.168.4.1

SSID: Bonrix

MAC: 2A:37:2F:83:6B:6C



Step4:Connect**Bonrix**Wifi:

→ConnectWith**Bonrix**Wifi



Step5:WifiConfigPage:

Select your Wifi Or Enter SSID And Password

For example:

Wifi Name:-JioFiber-EASO

Password:- *****



Step:6 Wifi Mode:

IP: 192.168.29.22

SSID: JioFiber-EASO

MAC: DC:DA:0C:A1:58:70

→Scan QR for Configuration page

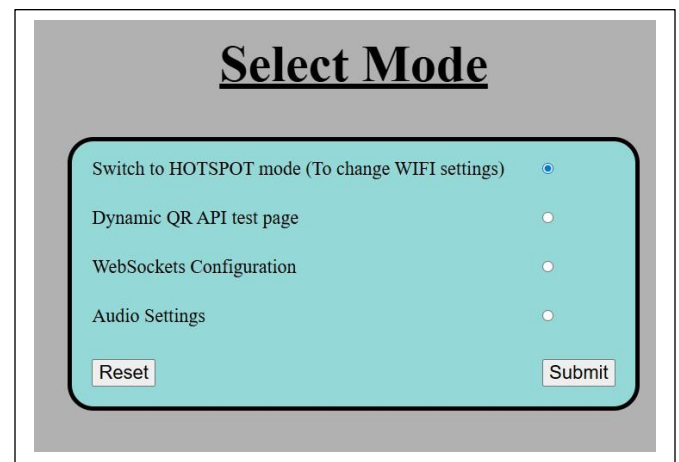


Step7: Open Web Page:

→ click on Choose any configuration option

Step8:Click to Switch to Hotspot mode :

→ previous wifi credential are reset and switch to Hotspot mode



Step9 :Click to Dynamic QR API test page :

1. Simple Text Screen

Description: Allows entering a custom text string and displaying it on the screen.

Title: Enter Your Name (text input)

Buttons: Reset, Submit

Usage: Submit a name or message → appears on display.

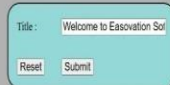
1. Simple text



A form with a title field containing 'Enter Your Name' and two buttons: 'Reset' and 'Submit'.

URL : <http://mnp?lang=String&title=String>
reset=ok

2. Welcome Message



A form with a title field containing 'Welcome to Easovation Sol' and two buttons: 'Reset' and 'Submit'.

URL : <http://DisplayWelcomeMessage?lang=String&title=String>
reset=ok

3. Display Total Screen



A form with five input fields: 'Total Amount' (100), 'Discount Amount' (20), 'Tax Amount' (10), 'Grand Total' (90), and two buttons: 'Reset' and 'Submit'.

URL : <http://DisplayTotal?lang=String&totalAmount=String&discountAmount=String&taxAmount=String&grandTotal=String>
reset=ok

4. Display QR Code Screen



A form with five input fields: 'Qrcodebase64' (Boninx), 'UPI Uri' (upi://pay/?pa=6327003167), 'Amount' (100), 'Company Name' (Boninx Software Solution), 'Shop Name' (7418529631@icici), and two buttons: 'Reset' and 'Submit'.

URL : <http://Displayqrcode?qrCodebase64=String&upiUri=String&amount=String&companyName=String&shopName=String>
reset=ok

5. Display Success QR Code Screen



A form with five input fields: 'Order Id' (12345), 'Bank Ref.' (0123456), 'Date' (mm/dd/yyyy), 'Amount' (125), and two buttons: 'Reset' and 'Submit'.

URL : <http://DisplayQRCodeSuccessStatus?orderId=String&bankRef=String&date=String>
reset=ok

6. Display Cancel QR Code Screen



A form with five input fields: 'Order Id' (654321), 'Bank Ref.' (123456), 'Date' (mm/dd/yyyy), and two buttons: 'Reset' and 'Submit'.

URL : <http://DisplayQRCodeCancelStatus?orderId=String&bankRef=String&date=String>
reset=ok

7. Display Fail QR Code Screen



A form with five input fields: 'Order Id' (0123456), 'Bank Ref.' (102030), 'Date' (mm/dd/yyyy), and two buttons: 'Reset' and 'Submit'.

URL : <http://DisplayQRCodeFailStatus?orderId=String&bankRef=String&date=String>
reset=ok

2. Welcome Message Screen

Description: Displays a static welcome message.

Form Fields:

Title: Welcome to Eastowafcon Sci

Buttons: Reset, Submit

Usage: Click Submit → welcome screen shows on display.

3. Display Total Screen

Description: Shows a breakdown of costs with discount, tax, and grand total.

Form Fields:

Test Amount: 43

Discount Amount: 10

Tax Amount: 10

Grand Total: 23

Buttons: Reset, Submit

Usage: Enter amounts → Submit → total screen displayed.

4. Display QR Code Screen

Description: Shows a QR code with payment details.

Form Fields:

Qrcodebase64: Boninx

UPI Uri: URL/login/?qap=63270033167

Amount: ICO

Company Name: Boninx Software Solutions

Shop Name: Z4f85258511@uci

Buttons: Reset, Submit

Usage: Fill all fields → Submit → QR code screen displayed.

5. Display Success QR Code Screen

Description: Shows a success screen with transaction details.

Form Fields:

Order Id: 123456

Bank Ref.: 0123456

Date: 12/01/2022

Amount: 125

Buttons: Reset, Submit

Usage: Enter success details → Submit → success screen shown.

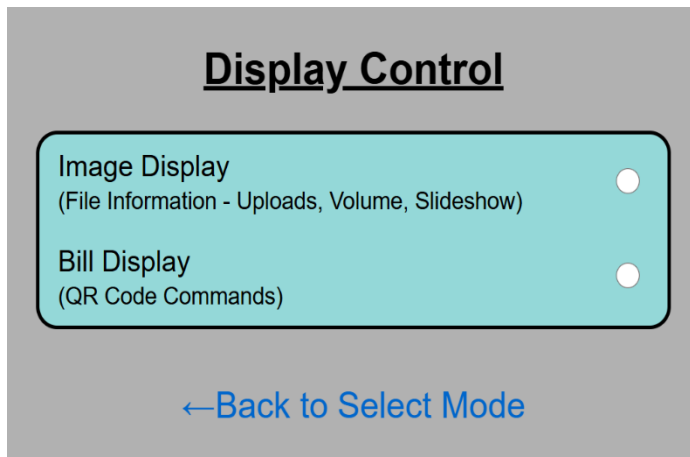
6. Display Cancel QR Code Screen

→ Enter all field then click submit button then cancel image are shown on display

6. Display fail QR Code Screen

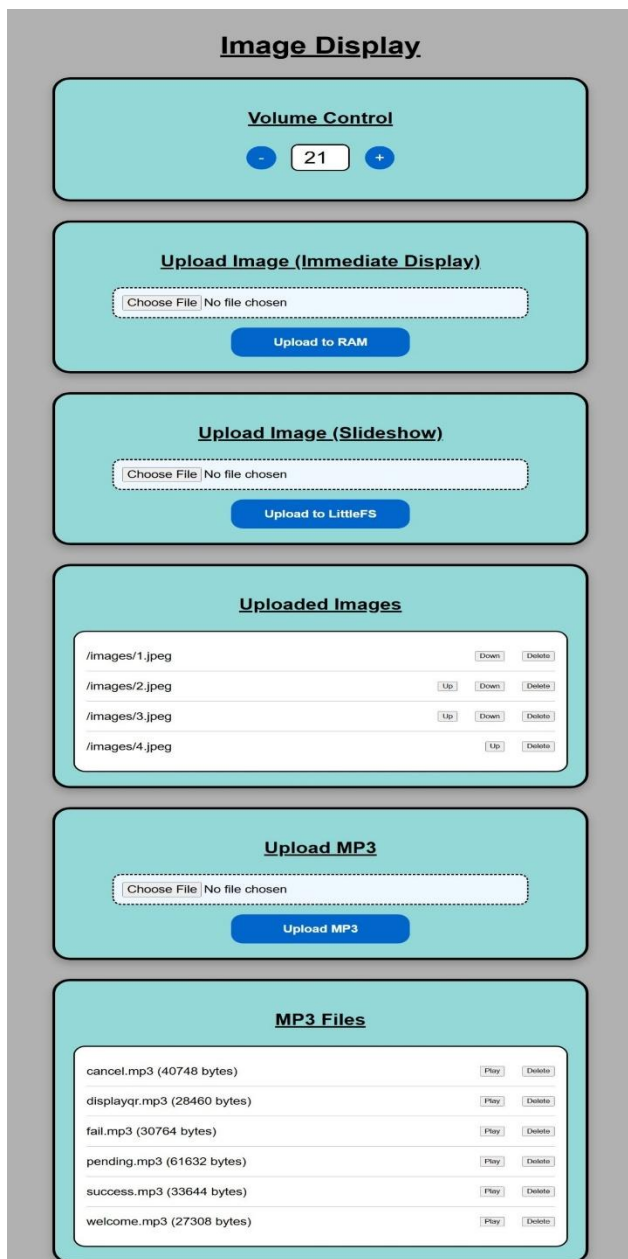
→ Enter all field then click submit button then Fail image are shown on display

Step10 :Click to DisplayControl option :



- Image Display Option
- Bill Display Option
- Choose image display option for file information , volume control and Slideshow image
- Choose Bill display option for bill selection and theme change

Step11 : Image display Page



1. Volume Control :

Audio Level Adjustment: Allows users to set the device volume output within a specific range of 0 to 21.

2. Upload Image (Immediate Display) :

Direct Display: Facilitates the immediate upload and display of an image directly to the system's Random Access Memory (RAM).

uploaded images are not saved permanently and will disappear if the device is restarted or powered off.

3. Upload Image (Slideshow) :

Persistent Storage: Uploads images to the device's LittleFS, ensuring files remain saved even after a reboot.

Slideshow Source: This image for slideshow

4. Uploaded Images :

File Management: Displays a comprehensive list of all image files currently stored in the LittleFS directory.

5. Upload MP3:

Audio Storage: Enables the uploading of MP3 audio files directly to the device's permanent file system (LittleFS).

6. MP3 Files:

Retrieves and displays all audio files currently stored

Theme Image Upload

Choose File No file chosen

Upload Theme Image

Theme Images

fail.jpeg (33.9 KB)

Delete

pending.jpeg (30.7 KB)

Delete

qrcode.jpeg (53.9 KB)

Delete

qrcode1.jpeg (35.0 KB)

Delete

success.jpeg (34.9 KB)

Delete

welcome.jpeg (87.4 KB)

Delete

Slideshow Settings

Start Rotation

Stop Rotation

Interval (sec):

10

Set

Black Background

White Background

[← Back to Main Menu](#)

7. Theme Image Upload

Theme Customization: Allows uploading of images specifically for use as themes in bill displays or other visual elements.

Files are saved to LittleFS for reuse across sessions.

8. Theme Images

File Listing: Shows a list of uploaded theme images with details like file name and size.

Management: Includes Delete buttons for each image to remove unwanted themes.

9. Slideshow Settings

Rotation Control: Buttons to Start Rotation or Stop Rotation of the slideshow.

Interval Adjustment: Set the slideshow interval in seconds (e.g., 10) for how long each image is displayed.

Step11 : Bill Display Page :

QR Code Commands

UPI ID:

Order Number:

Amount:

Date:

QR String:

Welcome ScreenDisplay Fail QR Code

Display Success QR CodeDisplay Cancel QR Code

Display Pending QR CodeDisplay QR Code

Last Command Sent:
None

Item View Theme

Theme Number:

Change Single Bill Theme

Item View

Item Name:

Item Code:

Price:

Quantity:

Unit:

Total:

Grand Total:

Send Single Item Bill

Full Bill Theme

Bill Theme Number:

Change Bill Theme

Full Bill

JSON 1JSON 2JSON 3

```
{
  "storeInfo": {
    "storeName": "Donix Store",
    "address": "Ahmedabad",
    "phone": "9876543210",
    "gstIn": "24ABCD1234F125",
    "billInfo": {
      "billNo": "BS11001",
      "date": "2026-01-05",
      "time": "14:30",
      "cashier": "John",
      "customerInfo": {
        "customerName": "Rahul Sharma",
        "customerPhone": "9876543210",
        "items": [
          {
            "itemName": "Cold Drink",
            "quantity": 2,
            "pricePerUnit": 100,
            "total": 200
          },
          {
            "itemName": "Chips",
            "quantity": 1,
            "pricePerUnit": 50,
            "total": 50
          }
        ]
      }
    }
  }
}
```

Submit Full Bill

Display Total Screen

Total Amount:

Discount Amount:

Tax Amount:

Grand Total:

Display Total Screen

Send JSON Text

JSON Configuration:

```
{
  "displayQRCodeScreen": {
    "text_to_pay": {
      "x": 200, "y": 250, "color": "BLACK"
    },
    "amount_text": {
      "positions": [
        {
          "x": 200, "y": 250, "text": "Total: 2390.32"
        },
        {
          "x": 200, "y": 280, "text": "Discount: 50"
        },
        {
          "x": 200, "y": 310, "text": "Tax: 50"
        },
        {
          "x": 200, "y": 340, "text": "Grand Total: 2390.32"
        }
      ],
      "color": "ORANGE"
    },
    "qr": {
      "version": 10, "size": 5, "x_offset": 100, "y_offset": 320
    }
  }
}
```

Send JSON Text

JSON File Upload

Chunk Size (bytes):

Buffer Timer (ms):

Select JSON File:

Upload JSON File

[←Back to Select Mode](#)

1. QR Code Commands

Testing Fields: Input UPI ID, Order Number, Amount, Date, and QR String for dynamic QR code generation.

Status Buttons: Display Welcome, Fail, Success, Cancel, Pending, or standard QR screens.

2. Item View Theme

Selection: Enter Theme Number for single-item bill styling.

Control: "Change Single Bill Theme" button applies changes.

3. Item View

Input: Fields for Item Name, Code, Price, Quantity, Unit, Total, and Grand Total.

Control: "Send Single Item Bill" renders details on screen.

4. Full Bill Theme

Selection: Enter Bill Theme Number for full bill styling.

Control: "Change Bill Theme" button applies changes.

5. Full Bill

JSON Input: Enter complete bill data (store, customer, items, totals) in JSON format.

Options: Tabs for JSON1, JSON2, JSON3 formats.

Control: "Submit Full Bill" renders on screen.

6. Display Total Screen

Input: Fields for Total, Discount, Tax, and Grand Total.

Control: "Display Total Screen" shows summaries.

7. Send JSON Text

Configuration: Enter JSON for display settings (e.g., QR positions, colors).

Control: "Send JSON Text" applies config.

8. JSON File Upload

Parameters: Set Chunk Size (bytes) and Buffer Timer (ms).

Interface: Select and upload JSON file.

Control: "Upload JSON" processes file; "Back to Select Mode" navigates back.

Step10 :Click Audio Settings option :

1. Volume Control

Parameter: Volume (0-21)

Current Value: 21 (maximum volume)

Description:

A numeric slider or input field to adjust the system volume. The range is from 0 (mute) to 21 (maximum volume).

2. Playback Control

This controls whether audio playback is enabled or disabled system wide.

Options:

✓ Enabled → Audio will play for notifications, alerts, etc.

□ Disabled → All audio is muted, regardless of volume setting.

Current Selection:

It appears "Enabled" is selected in your screenshot.

3. Save Settings Button

Label: Save Settings

Action:

Clicking this button saves the current audio configuration (volume level and playback state) to the device's persistent storage.

The settings will be applied immediately.

