



**BONRIX EMBEDDED
INNOVATIONS**

3.5 inch Digital QR - Dynamic QR SoundBox Display (JPEG Based)

Model: BEI-DQR-222-USB

Instruction: Connect your port (COM1, COM2... ..) with Baud Rate: 230400 using with your serial port terminal.

Follow this link for serial port test utility:

http://www.embedded-innovations.com/Downloads/DesktopSoftware/3.5_inch_usb_jpeg_image_processor.exe

Step 1: Home Screen:

The screenshot shows the 'Home' window of the software. It features a top toolbar with buttons like 'Keep Aspect Ratio', 'browse Image', 'Reset', and 'Picture Size' (with input fields for 320 and 480). Below this are controls for 'Zoom Level' (0.1), 'Move Pixel' (with arrows and input fields for 5), and 'Color Hex' (#FFFFFF). A section for serial communication includes a 'Com Port' dropdown (set to COM3), 'Baud Rate' (921600), and buttons for 'Refresh Port', 'Connect', and 'Dis Connect'. There are also checkboxes for 'Wait For Acknowledgments' and 'Play audio after upload', along with input fields for 'Chunk' (2000) and 'Delay Millisecond' (10). At the bottom, there are buttons for 'Send', 'Send Chunk', 'Upload Audio', 'Upload Audio Chunk', and 'Clear Log'. A large empty rectangular area occupies the right side of the window, likely for displaying the processed image or audio output.

Step 2: Select port:

Select Your **Com Port** And Click on **Connect** button.



BONRIX EMBEDDED
INNOVATIONS

Home

☐ Keep Aspect Ratio browse Image Reset Picture Size 320 480

Zoom Level 0.1 Move Pixel → 5 Move Pixel ← 5 Move Pixel ↓ 5 Move Pixel ↑

Zoom In Zoom Out → ← ↓ ↑

1

Com Port : COM176 Baud Rate : 230400

Refresh Port Connect Dis Connect

☐ Wait For Acknowledgments

Chunk : 2000 Delay Millisecond : 10

Send Send Chunk ☐ Play audio after upload Audio Name Upload Audio Upload Audio Chunk

Clear Log

Step 3: Select Image:

First Select **Keep Aspect Ratio** And then Click on **browser Image** to select your Image.

Home

☒ Keep Aspect Ratio browse Image Reset Picture Size 320 480

Zoom Level 0.1 Move Pixel → 5 Move Pixel ← 5 Move Pixel ↓ 5 Move Pixel ↑ 5 Color Hex #FFFFFF Black Whites

Zoom In Zoom Out → ← ↓ ↑

1

Com Port : COM187 Baud Rate : 230400

Refresh Port Connect Dis Connect

☐ Wait For Acknowledgments

Chunk : 2000 Delay Millisecond : 10

Send Send Chunk ☐ Play audio after upload Audio Name Upload Audio Upload Audio Chunk

Clear Log

Save



**BONRIX EMBEDDED
INNOVATIONS**

Step 5: Upload Image:

After selecting the image you can adjust your image using **Zoom In, Zoom Out, →, ←, ↑, ↓** Button and Click on **Send** button.

The screenshot shows the 'Home' window of the BONRIX Embedded Innovations software. The interface includes a 'Send' button, a 'Zoom In' button, a 'Zoom Out' button, and a 'Save' button. The main display area shows a red background with white clouds and the text 'SALE' and 'UP TO 50% OFF'.

Step 6: Audio Upload:

Write audio file name and click on **Upload Audio**.

The screenshot shows the 'Home' window of the BONRIX Embedded Innovations software. The interface includes an 'Upload Audio' button, a 'Zoom In' button, a 'Zoom Out' button, and a 'Save' button. The main display area shows a red background with white clouds and the text 'SALE' and 'UP TO 50% OFF'. The log area shows the following text: 05/01/2025 12:26:51 PM -> MP3 Data received successfully, 05/01/2025 12:26:51 PM -> File received, size: 69164 bytes, 05/01/2025 12:26:50 PM -> Command received. Preparing to receive file..., 05/01/2025 12:26:50 PM ->.



**BONRIX EMBEDDED
INNOVATIONS**

To Check Dynamic QR Code Scanner Display By Free Desktop Software

Instruction: Connect your port (COM1, COM2... ..) with Baud Rate: 230400 using with your serial port terminal.

Follow this link for serial port test utility:

<http://www.embedded-innovations.com/Downloads/DesktopSoftware/QrDisplayFree.msi>

Step 1: Home Screen:

Qr Display Free Home

Setting Report

Enter Amount

Generate Qr

Welcome Screen

Report

Last Order Id :-

Image Size KB :- 18.00

Steps to Scan and Pay

STEP 1
Open BHIM UPI app

STEP 2
Tap on Pay/Scan

STEP 3
Scan QR Code

Start Ad Stop Ad

Today

Success ₹	Success Count
Pending ₹	Pending Count
Fail ₹	Fail Count
Other ₹	Other Count

All Time

Success ₹	Success Count
Pending ₹	Pending Count
Fail ₹	Fail Count
Other ₹	Other Count

Refresh Re-Generate Copy Message Success Fail Export Delete Delete All 0 To 0

Apply Date From Thursday , May 1, To Thursday , May 1, Search X Stop Refresh << < > >> Refresh All Time

Id	Date	PosId	InvoiceId	VPA	UPIString	Number	Amt	Status	TXID	Message	QrTxnId	BankRRN	ReqID	Res
----	------	-------	-----------	-----	-----------	--------	-----	--------	------	---------	---------	---------	-------	-----

Developed By :- BONRIX SOFTWARE SYSTEMS Phone No :- 9426045500,6352445500,7624045500 Version :- 1.2.9.0

Step 2: Settings:

1) Go to VPA Settings and add the Details

Qr Display Free Home

Setting Report

VPA Settings Set Display

Enter Amount

Generate Qr

Welcome Screen

Report

Last Order Id :-



BONRIX EMBEDDED
INNOVATIONS

VPASettings

Enter VPA: Bontx@okicici

Enter VPN: Bontx

Select Qr String: [Dropdown]

Final Qr String: upi://pay?pa=<vpa>&pn=<vpn>&am=<amount>&cu=INR&tn=<txid>&tr=<txid>&tid=<txid>&mode=02&mc=0000&purpose=00

Save Close

2) Now Click on **Set Display**

Select **Display type 3.5 inch USB JPEG Display**

Select **Com Port** And **Baud rate : 230400**

Check mark on **Play Audio**

Click on **Save**

Qr Display Free Home

Setting Report

VPA Settings Set Display

Generate Qr

Welcome Screen

Report

Last Order Id :-

Set Display

Select Display: 3.5 Inch USB JPEG Image Display

Save

Com Port: COM3 Refresh

Baud Rate: 230400 921600

Chunk: 2000

Delay in Millisecond: 10

Image Size KB: -1 set -1 to ignore file size

☒ Play Audio Open Volume



**BONRIX EMBEDDED
INNOVATIONS**

Step 3: Welcome Screen:

Id	Date	PosId	InvoiceId	VPA	UPIString	Number	Amt	Status	TXID	Message	QrTxId	BankRRR	ReqID	Res	StatusChk	CallbackF
4	08/03/	Bonrix	upi//p...			10		FAILED	CHGM6	FAILED	CHGM6	CHGM6				

Step 4: QR Code:

→ Enter Your Amount And Click on
Generate QR

Id	Date	PosId	InvoiceId	VPA	UPIString	Number	Amt	Status	TXID	Message	QrTxId	BankRRR	ReqID	Res	StatusChk	CallbackF
4	08/03/	Bonrix	upi//p...			10		FAILED	CHGM6	FAILED	CHGM6	CHGM6				



BONRIX EMBEDDED
INNOVATIONS

Step 5: Successful:

Setting

Report

Enter Amount

10

Generate Qr

Welcome Screen

Report

Last Order Id :-
AJEB638582947157219592IRJPT



Payment Successful

₹ 10

AJEB638582947157219592IRJPT

 Thank you
for using BHIM UPI

Step 6: Failed:

Setting

Report

Enter Amount

10

Generate Qr

Welcome Screen

Report

Last Order Id :-
OVDA638582948002930273UOUFK



Payment Failed

₹ 10

OVDA638582948002930273UOUFK

 Thank you
for using BHIM UPI



**BONRIX EMBEDDED
INNOVATIONS**



**BONRIX EMBEDDED
INNOVATIONS**

ADDRESS

BonrixEmbedded Innovations

A-701 Dev Aurum Commercial,

Nr. Anand Nagar Cross Road,

Prahlad Nagar, Satellite,

Ahmedabad, Gujarat 380015

Contact On :+91-9409745500,+91-9429045500

info@embedded-innovations.com

embeddedinnovations.bonrix@gmail.com

Visit Us On

WEBSITE: <http://www.embedded-innovations.com/>

FACEBOOK: <https://www.facebook.com/BonrixEmbeddedInnovations/>

TWITTER: <https://twitter.com/BonrixEmbedded>

INSTAGRAM: <https://www.instagram.com/BonrixEmbeddedInnovations/>

LINKEDIN: <https://www.linkedin.com/company/bonrix-embedded-innovations/>

YOUTUBE: <https://www.youtube.com/@Bonrix-Embedded-Innovations>