

Command Documentation for BLE

1. WelcomeScreen**bonrix

2. Topay

DisplayQRCodeScreen**upi://pay?pa=63270083167.payswiff@indus
&pn=Bonrix&cu=INR&am=10&pn=Bonrix%20Software%20Systems
107418529631@icici

3.

DisplayFailQRCodeScreen**1234567890**ORD10594565**29-03-
2023

4.

DisplayCancelQRCodeScreen**1234567890**ORD10594565**29-03-
2023

5.

DisplaySuccessQRCodeScreen**1234567890**ORD10594565**29-
03-2023

6. startrotation – for start rotation

7. stoprotation – for stop rotation

8. setvolume**10 – for change volume level

(change value between 1 to 21)

Command Documentation for USB

1. Command: `getvolume`

Description: Get the current volume level.

Response: Current Volume: 18

2. Command: `setvolume**volume`

Description: Set volume directly to a specific level.

Example: `setvolume**21`

Response: Volume set to: 19

3. Command: `+ / -`

Description: Increment (+) or decrement (-) volume manually.

Response (+): Volume: 20

Response (-): Volume: 19

4. Command: `play**filename`

Description: Play an MP3 file stored in the 'mp3' folder.

Example: `play**1.mp3`

Response: No response provided.

5. Command: `delete**foldername**filename`

Description: Delete a MP3 file from a specific folder.

Example: `delete**mp3**1.mp3`

Response: Full path to delete: /mp3/1.mp3

Response: File deleted: /mp3/1.mp3

6. Command: `delete**foldername**filename`

Description: Delete a rotation JPEG file from the 'images' folder.

Example: `delete**images**2.jpeg`

Response: Full path to delete: /images/2.jpeg

Response: File deleted: /images/2.jpeg

7. Command: delete**foldername**filename

Description: Delete a theme JPEG file from the 'textimage' folder.

Example: delete**textimage**qrcode.jpeg

Response: Full path to delete: /textimage /qrcode.jpeg

Response: File deleted: /textimage/qrcode.jpeg

8. Command: delete**foldername**filename

Description: Delete a theme JPEG file from the 'textimage' folder.

Example: delete**json **display_config.json

Response: Full path to delete: json/display_config.json

Response: File deleted: /json/display_config.json

9. Command: fileinfo

Description: Get information about JPEG files stored in SPIFFS.

Response:

```
{
  "images": [
    {"filename": "1.jpeg", "size": 94597},
    {"filename": "2.jpeg", "size": 20350},
    {"filename": "3.jpeg", "size": 61545},
    {"filename": "4.jpeg", "size": 86536}
  ],
  "totalBytes": 1799921,
  "usedBytes": 521578,
  "availableBytes": 1278343
}
```

10. Command: fileinfomp3

Description: Get information about MP3 files stored in SPIFFS.

Response:

```
{
  "mp3files": [
    {"filename": "1.mp3", "size": 103016},
  ]
}
```

```
    {"filename": "2.mp3", "size": 149667}
  ],
  "totalBytes": 1799921,
  "usedBytes": 521578,
  "availableBytes": 1278343
}
```

11. Command: fileinfodqr

Description: Get information about theme files stored in SPIFFS.

Response:

```
{
  "files": [
    {
      "filename": "fail.jpeg",
      "size": 34715
    },
    {
      "filename": "pending.jpeg",
      "size": 31405
    },
    {
      "filename": "qrcode.jpeg",
      "size": 35852
    },
    {
      "filename": "success.jpeg",
      "size": 35705
    },
    {
      "filename": "welcome.jpeg",
      "size": 89528
    }
  ],
  "totalBytes": 1966080,
  "usedBytes": 880640,
  "availableBytes": 1085440
}
```

12. Command: `sending**filename**filesize**chunksize`

Description: Upload JPEG files in SPIFFS under 'images' folder.

Example: `sending**1.jpeg**14114**1024`

Response: "ok" after each chunk.

13. Command: `sendingaudio**filename**filesize**chunksize`

Description: Upload MP3 files in SPIFFS under 'mp3' folder.

Example: `sendingaudio**1.mp3**14114**1024`

Response: "ok" after each chunk.

14. Command:

`sendingdefaultimage**filename**filesize**chunksize`

Description: Upload theme jpeg files in SPIFFS under 'textimage' folder.

Example: `sendingdefaultimage**welcome.mp3**14114**1024`

Response: "ok" after each chunk.

15. Command: `sendingjson**filename**filesize**chunksize`

Description: Upload json config files in SPIFFS under 'mp3' folder.

Example: `sendingjson**display_config.json**2048**1024`

Response: "ok" after each chunk.

16. Command: `sendtext**content`

Description: change json config file content directly

Example:

```
sendtext**{"DisplayQRCodeScreen":{"text_to_pay":{"x":200,"y":250,"color":"BLACK"},"amount_text":{"positions":{"1":[210,260],"2":[200,260],"3":[190,260],"4":[180,260],"5":[170,260],"default":[160,260]},"color":"ORANGE"},"qr":{"version":10,"size":5,"x_offset":100,"y_offset":320},"upi":{"x":100,"y":620,"color":"ORANGE"}}, "DisplaySuccessQRCodeScreen":{"amount_text":{"positions":{"1":[192,390],"2":[180,390],"3":[168,390],"4":[156,390],"5":[144,390],"default":[132,390]},"color":"BLACK"}}}
```

Response: Updated display_config.json successfully.

17. Command: startrotation

Description: Start rotation mode.

Response: Command received. Starting rotation mode...

18. Command: stoprotation

Description: Stop rotation mode.

Response: Rotation mode stopped.

19. Command: startsendingfile filename.jpeg filesize

Description: Upload an image to RAM and display it.

Example: startsendingfile welcome.jpeg 16771 Response:

Command received. Preparing to receive file...

Response: Image Displayed Successfully.

20. Command: startsendingaudio filename.jpeg filesize

Description: Upload MP3 data to RAM.

Example: startsendingaudio welcome.mp3 16771 Response:

Command received. Preparing to receive file...

Response: MP3 Data received successfully.

21. Command: freesize

Description: Check available memory.

Response: 1278343 exit

22. Command: settimerseconds**

Description: Set a timer in seconds.

Example: settimer**2

Response: New timer set to 2 seconds. exit

23. Command: setrotationtimerseconds**

Description: Set a timer for start rotation after welcome screen in seconds.

Example: setrotationtimer**2

Response: New timer set to 2 seconds. exit

24. Command: newbill**content

Description: display single bill items

Example:

```
newbill**ColdDrink**ITM002**100.0**2**bottle**200.0**600.0
```

25. Command: billjson**content

Description: for show full bill items

Example:

```
billjson**{"storeInfo":{"storeName":"Test Store","address":"123 Test Street","phone":"123-456-7890","gstIn":"TEST123456"},"billInfo":{"billNo":"1","date":"2025-02-17","time":"12:00","cashier":"Test Cashier"},"customerInfo":{"customerName":"John Doe","customerPhone":"987-654-3210"},"items":[{"itemName":"Item 1","quantity":2,"pricePerUnit":10.0,"total":20.0},{"itemName":"Item 2","quantity":1,"pricePerUnit":15.0,"total":15.0},{"itemName":"Item 3","quantity":1,"pricePerUnit":15.0,"total":15.0}],"totals":{"subTotal":50.0,"tax":5.0,"discount":0.0,"totalAmount":55.0,"amountPaid":55.0,"paymentMethod":"Cash"},"footer":{"message":"Thank you for testing!","website":"www.teststore.com"}}
```

Response: Bill screen displayed successfully!

26. Command: singlebillformat**1

Description: For change single bill item theme

Example: singlebillformat**1 // change 1,2,3 for theme change

Response: Bill format set to 1

27. Command: changejsontheme**1

Description: For change full bill item theme

Example: changejsontheme**1// change 1,2,3 for theme change

Response: JSON Bill theme changed to 1

28. Text commands for different screens

welcome

```
WelcomeScreen**bonrix
```

```
*****
```

Topay

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&pn=Bonrix&cu=INR&am=10&pn=Bonrix%20Software%20Systems
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2023

DisplaySuccessQRCodeScreen**1234567890**ORD10594565**29-
03-2023**10

DisplayTotalScreen**2390.32**50**50**2390.32

29. Command: audioon

Description: for on audio

Example: audioon

Response: Audio is now ON.

30. Command: audiooff

Description: for off audio

Example: audiooff

Response: Audio is now OFF.