

**Model Bra**

**Pro**

**Specification**

**V3.0**

**2021.1.20**

## Introduction

The Model Bra Pro is a display and designed for the TESLA Model 3 and Model Y.

It can show some important information for the driver, such as speedometer / SOC / rang / ODO / gear / turn signal beam / high beam / low beam / energy input and output / speed limit / charging status / car following distance / steering wheel alarm / time and so on.

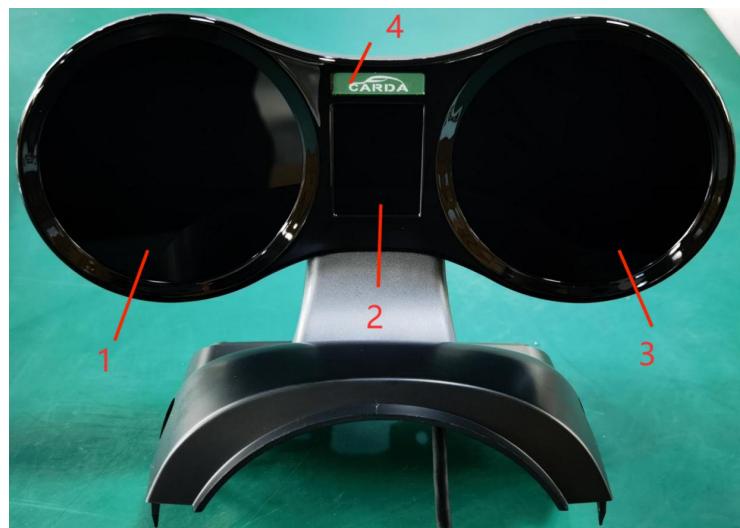
It can control other device, such as Electronic Voices and Atmosphere Lamp, by the bluetooth 5.2.

## Function

| IDX | Screen        | Category                    | Items                      | Description  |
|-----|---------------|-----------------------------|----------------------------|--|
| 1   | Left Screen   | Main Interface              | Signal Beam                | Left turn signal beam, Low beam  |
| 2   |               |                             | Energy Status              | Energy input and output status, ±100KW   |
| 3   |               |                             | SOC                        | 0~100%   |
| 4   |               |                             | 2D Car Model               | Model 3 or Model Y   |
| 5   |               |                             |                            | Default Color: Red/Black/Silver/Blue/White.<br>User-defined Color up to 64 colors. |
| 6   |               |                             | Car Follow Distance        | Class: 1/2/3/4/5/6/7   |
| 7   |               |                             | Steering Wheel Alarm       | Low level alarm, intermediate level alarm, high level alarm.                       |
| 8   |               | Standby Interface           | Standby Display            | “3” , “Y”  |
| 9   |               |                             |                            | Model 3 or Model Y   |
| 10  |               | Charging Interface          | 2D Car Model               | Default Color: Red/Black/Silver/Blue/White.<br>User-defined Color up to 64 colors. |
| 11  |               |                             | Charging Beam              | Red/Blue/Green   |
| 12  |               | Device Activation Interface | Device Activation Reminder | “Scan the code to activate”  |
| 13  |               |                             | Device Activation Status   | “Activate successed” “Activation failed”   |
| 14  | Middle Screen | Main Interface              | READY Signal               | READY  |
| 15  |               |                             | Gear                       | P/R/N/D  |
| 16  |               |                             | ODO                        | 0~999999, KM or mile   |
| 17  |               | Charging Interface          | Charging                   | Charging display   |
| 18  | Right Screen  | Main Interface              | Signal Beam                | Right turn signal beam, high beam, auto hold beam.                                 |
| 19  |               |                             | Speed                      | 0~260, KM/H or MPH   |
| 20  |               |                             | Rang                       | 0.0~800.0, km or mi  |
| 21  |               |                             | Speed Limit                | 10~160   |
| 22  |               | Standby Interface           | Time                       | Hour/Minute, support 12 hours system or 24 hours system                            |
| 23  |               | Charging                    | SOC                        | 0~100%   |

|    |                             |                          |  |  |
|----|-----------------------------|--------------------------|--|--|
| 24 | Setting Interface           | Interface                | Charging Status                              | “Prepare charge”, “Charging”, “Charge Complete”, “Stop Charge” |
| 25 |                             | Theme                    | Simple/Classic                               |  |
| 26 |                             | Mode                     | Day/Night                                    |  |
| 27 |                             | Car Model                | Auto/Model 3/Model Y                         |  |
| 28 |                             | Color                    | Auto/Red/Black/Silver/Blue/White/User-define |  |
| 29 |                             | Wheels Type              | Model 3 and Model Y support up to 6 types    |  |
| 30 |                             | Time Format              | 12 Hour / 24 Hour                            |  |
| 31 |                             | Time Zone                | GMT -11 ~ + 12                               |  |
| 32 |                             | Language                 | 中文/English/한국어/日本語/Deutsch/Français          |  |
| 33 |                             | Device Control           | Device Control Interface                     |  |
| 34 |                             | Version Info             | Version Info Interface                       |  |
| 35 |                             | Return                   | Exit setting interface                       |  |
| 36 | Version Info Interface      | QR Code                  | Link/VIN/SN/GPS/time                         |  |
| 37 |                             | Name                     |  |  |
| 38 |                             | SN                       |  |  |
| 39 |                             | HMI Version              |  |  |
| 40 |                             | MCU Version              |  |  |
| 41 |                             | HW Version               |  |  |
| 42 |                             | Upgrade                  |  |  |
| 43 |                             | Engineering Mode         |  |  |
| 44 |                             | Factory Data Reset       |  |  |
| 45 |                             | Return                   | Exit version info interface                  |  |
| 46 | Device Control Interface    | Electronic Voices        | “Connected” “Ununited”                       |  |
| 47 |                             |                          | On/Off                                       |  |
| 48 |                             |                          | Voice types                                  |  |
| 49 |                             |                          | Bluetooth scan and pairing                   |  |
| 50 |                             | Atmosphere Lamp          | “Connected” “Ununited”                       |  |
| 51 |                             |                          | On/Off                                       |  |
| 52 |                             |                          | Color types                                  |  |
| 53 |                             |                          | Bluetooth scan and pairing                   |  |
| 54 | Device Activation Interface | QR Code                  | Link/VIN/SN/GPS/time                         |  |
| 55 |                             | Device Activation Status | “Activated” “Unactivated” “Illegal Device”   |  |
| 56 |                             | Key Input                | 6 codes, 0~9                                 |  |
| 57 |                             | Return                   | Exit device activation Interface             |  |

## Front Panel



| IDX | Category      | Description   |
|-----|---------------|---|
| 1   | Left Screen   | Display left turn signal beam / low beam / energy input or output status / SOC / 2D car model / car following distance / steering wheel alarm / standby interface / charging interface / device activation interface.                   |
| 2   | Middle Screen | Display READY signal / gear / ODO / charging interface.   |
| 3   | Right Screen  | Display right turn signal beam / high beam / auto-hold beam / speedometer / rang / speed limit / time / SOC / charging interface / setting interface / device control interface / version info interface / device activation interface. |
| 4   | LOGO Lamp     | Working status indicator light.   |

## Rear Panel



| IDX | Category                 | Description                               |
|-----|--------------------------|---|
| 1   | Right Screen Type-C port | Use for software update and power output. |
| 2   | Left Screen Type-C port  | Use for software update and power output. |

## Specification Parameter

| IDX | Category      | Items                       | Description                       |
|-----|---------------|-----------------------------|-----------------------------------|
| 1   | Power         | Power Input                 | DC: 9V~15V, class 12V             |
| 2   |               | Power Dissipation           | <6W @ 12V (without power output)  |
| 3   |               | Power Output                | DC +5V 1A                         |
| 4   |               |                             | DC +12V 2A                        |
| 5   | Communication | CAN Bus                     | 500 Kbps                          |
| 6   |               | Wireless                    | Bluetooth 5.2                     |
| 7   | Others        | Operating Temperature Range | -20°C ~ +65°C                     |
| 8   |               | Operating Humidity          | 0~95%                             |
| 9   |               | Size                        | 240mm (L) * 175mm (W) * 190mm (H) |
| 10  |               | Weight                      | ≤ 400g                            |

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment