

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.

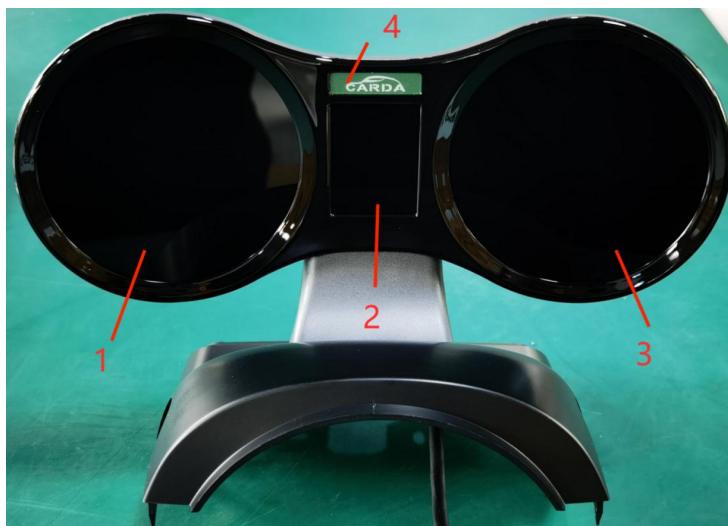
It can control other device, such as Electronic Voices and Atmosphere Lamp, by the bluetooth 5.2.

Function

IDX	Screen	Category	Items	Description
1		Main Interface	Signal Beam	Left turn signal beam, Low beam
2			Energy Status	Energy input and output status, $\pm 100\text{KW}$
3			SOC	0~100%
4			2D Car Model	Model 3 or Model Y
5				Default Color: Red/Black/Silver/Blue/White. User-defined Color up to 64 colors.
6				Car Follow Distance
7				Steering Wheel Alarm
8	Left Screen	Standby Interface	Standby Display	“3” , “Y”
9		Charging Interface		Model 3 or Model Y
10			2D Car Model	Default Color: Red/Black/Silver/Blue/White. 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 succeeded” “Activation failed”
14		Middle Screen	Main Interface	READY Signal
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	Interface	Charging Status	“Prepare charge”, “Charging”, “Charge Complete”, “Stop Charge”
25	Setting Interface	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