

Find My Anti-Loss Detector	Shenzhen Guolian Era Technology Co.,Ltd	Reference	GL-TX20-001
	Product Specification Document	Version number	V0.1.3

Product Specification Document



SECTION		PROTO ☒ DVT ☐ EVT ☐ PVT ☐ MP ☐					
PART CODE							
ITEM		Detect tag					
MODEL NAME		TX20					
DESCRIPTION		V0.1.3					
NOTE							
Approved By	PERFORMED		CHECKED		APPROVAL		
	DATE		DATE		DATE		
	NAME		NAME		NAME		
	R&D		R&D		R&D		

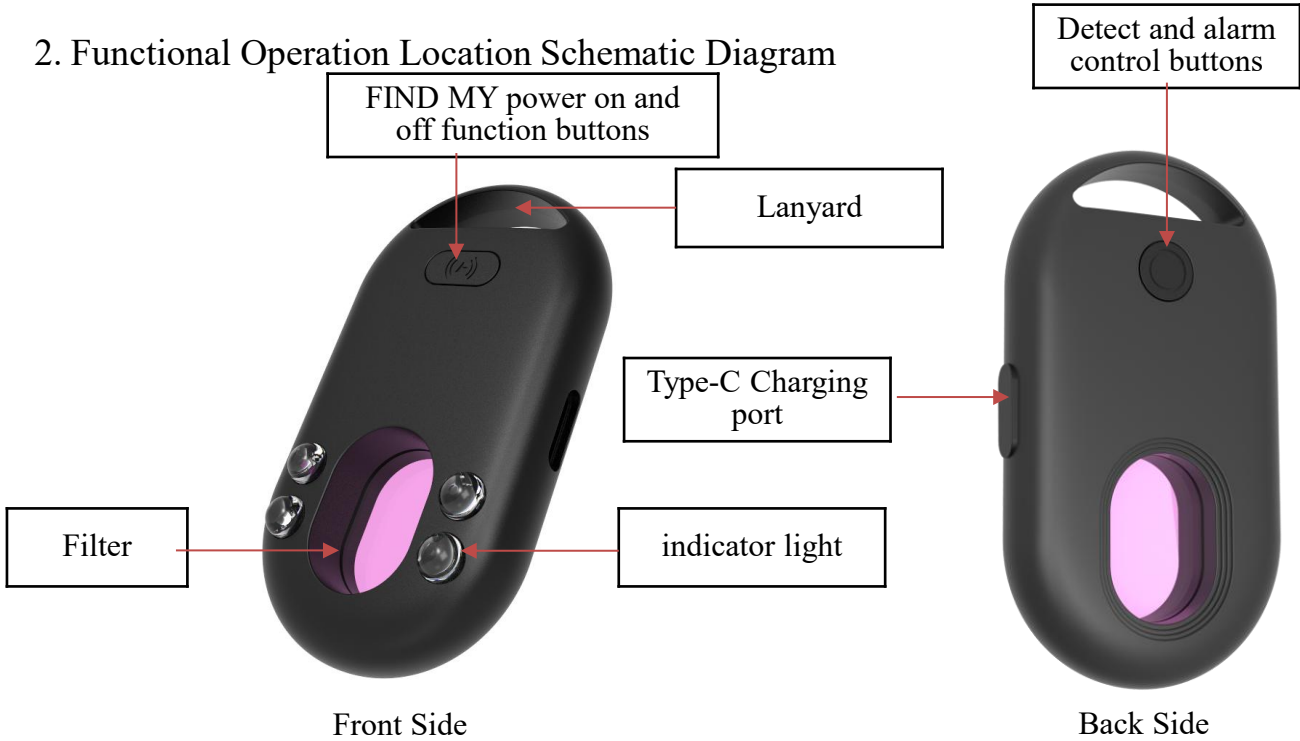
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1. Specifications

Bluetooth name	Detect tag
Keyboard type	Mechanical Button
Bluetooth Ver.No	V5.3
Transmission Frequency	2.402GHz~2.480GHz
Bluetooth Profile	BLE/Find My
Transmission Power	4dBm
Wireless Range	≥20m
Type-C charging power and charging current	Approximately1.5W/Approximately300mA
Battery Parameters	Li-Po 401515 65mAh 3.7V
Standby Time	3-4months
Standby Power Consumption	0.00002405W
Product Size Specifications	L*W*H Approximately 60.1*33*12.4mm
Product Weight	Approximately 12g
Single charge endurance	≥0.5months
Buzzer Drive Mode and Parameters	Buzzer(R7.5*0.22mm 4KHZ)
Buzzer Volume	Approximately 70dB~80dB(alarm mode about 80dB)
Share Device Contacts Maximum number of supported	5 sets
Mobile System Compatibility	iPhone, iPad, iOS 14.5 or later, iPhone 8 + models. Android Device Specific APP Locate link, Single device binding limit (32pcs)
Encapsulation Method	Plastic enclosure
Operating and Storage Temperature	-10--65°C/-20--75°C
Color	Black(customizable as per requirements)

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2. Functional Operation Location Schematic Diagram



3. Functional Operation Instructions

No	Function Operation	Current Status	Test Steps / Description / Input / Operation	Prompt Tone	Indicator Light
1	Power On	Power Supply	Long press the switch/function button for about 2 seconds, hear 1 beep, the device is powered on	Beep	Red light flashes once
2	Device Binding	Bluetooth Pairing	Open the Apple "Find My" app. Bring the device close to your iPhone, tap "Item" label, select "Add New Item", tap "Other Supported Items", choose the device with this model number, tap "Connect". Add "Item Name" and select an emoji. Agree to register the device to your Apple ID. Tap "Done" to complete binding.	Beep Beep	Red light flashes twice
3	Remove Device	Bound	Open the Apple "Find My" app, tap "Item", then tap the item's name. At the bottom of the list, find "Remove Item", tap "Remove" to complete the operation, wait for the device to emit a prompt tone, removal successful.	Beep Beep Beep	Red light flashes three times
4	Factory Reset	Power On	Hold the button until you hear 1 beep, then 2 consecutive beeps, followed by 3 consecutive beeps. Continue holding for 5 more seconds. When you hear a long beep, release the button, the device will reset to factory settings.	A short beep、Two short beeps、Three short beeps、One long beep	The red light flashes once, twice, and three times in turn, and the red light is lit for about 2 S.

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5	Power Off	Power On	In the power-on state,press and hold the function button for about 6 seconds,you will hear 1 beep,then 2 consecutive beeps,followed by 3 consecutive beeps,then release the button.	A short beep、Two short beeps、Three short beeps	the red light flashes once, twice, and three times in turn.
6	Find Device	Play Buzzer Sound	Tap the phone's play sound function	Beep,Beep,Beep...	Red light flashes 12 times with beep

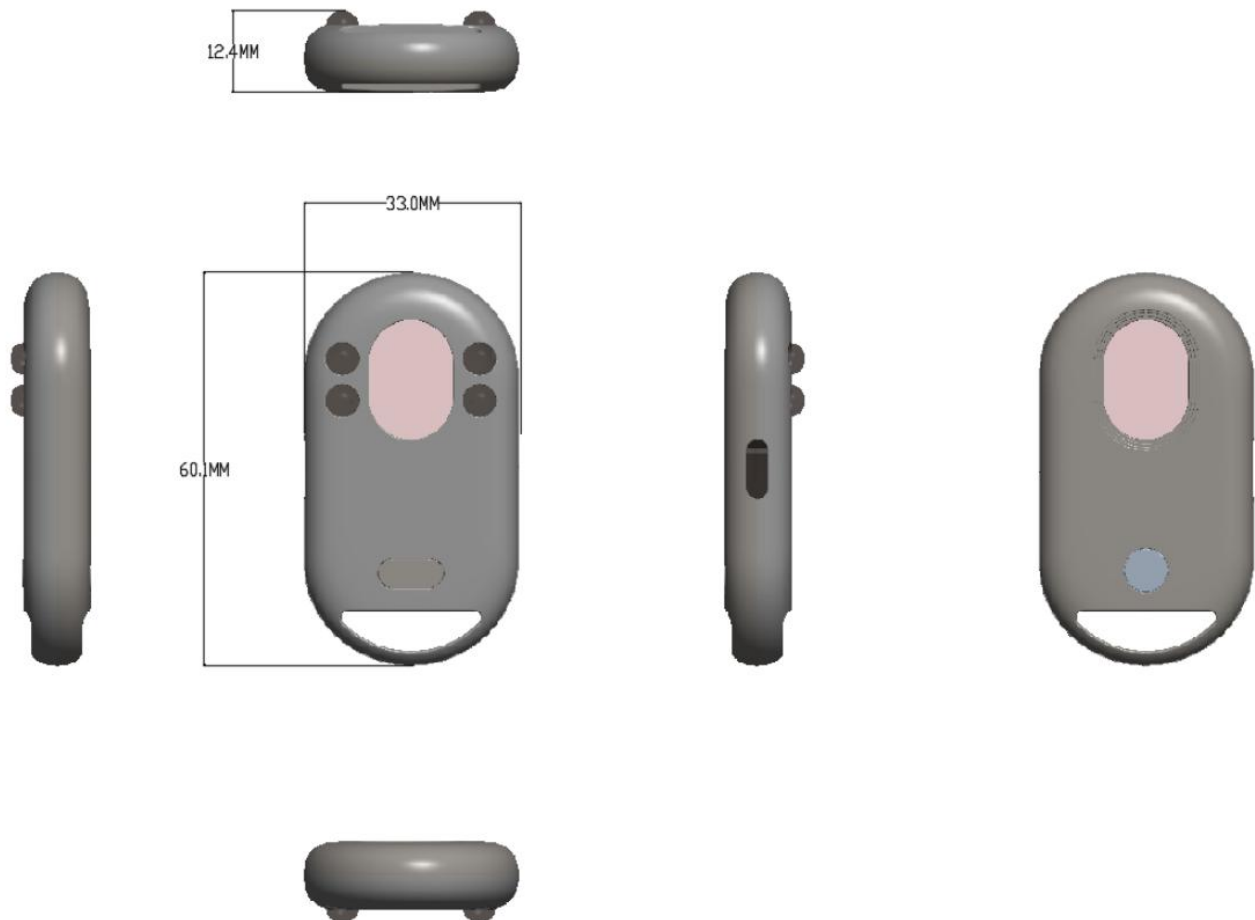
II. Operating Instructions for Mirror Detector

No	Function Operation	Current Status	Test Steps / Description / Input / Operation	Prompt Tone	Indicator Light
1	Power On	Power Supply	With the device powered on, press and hold the function button for about 3 seconds to enter the first gear state. In the first gear state, a short press enters the second gear state, and repeated short presses cycle between constant red light and flashing red light..	None	First gear: red light always on Second gear: flashing red
2	Vibration alarm	Power Supply	Press the red light button 5, red light flashes and beep, enter vibration alarm mode. After the equipment falls or shakes greatly, turn on the vibration alarm function, red light flashes rapidly and beeps. Press the light button 1 to turn off the vibration alarm.	Beep,Beep,Beep...	The red light flashes rapidly
3	Charging	Power Supply	When charging, the red light flashes, the red light is always on, and the green light is always on when fully charged.	Charging: Beep Fully Charged: Beep Beep Beep	When charging starts, the red light stays on. When fully charged, the red light blinks three times and the green light stays on.
4	Power Off	Power On	Press and hold LED button	None	Red light off.

Important Notes:

- When pairing the device with the "Find My" app, it requires connection to the Apple server. If pairing fails, it is usually because your network cannot connect to the Apple server. Suggested actions: Use the FindMy app on iPod touch, Mac, or FindItems app on Apple Watch to locate compatible personal items on the map.
- Simply pair your compatible product with the Apple FindMy app to view it with your Apple devices. If your item is lost, you can put it in lost mode to display a message and contact information to anyone who might find it.
- The FindMy network is encrypted and anonymous, so no one, not even Apple, can view its location.

4. CMF



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5. Reliability Standards

NO	Test Item	Test Conditions
1	Low Temperature Storage	Place the unboxed product in a -30° C chamber, power off, and maintain for 48 hours. After the test, recover at room temperature for 2 hours and check for any functional or appearance abnormalities.
2	High Temperature Storage	Place the unboxed product in a 70° C chamber, power off, and maintain for 48 hours. After the test, recover at room temperature for 2 hours and check for any functional or appearance abnormalities.
3	High Temp&Humid storage	Temp:50°C, Humid.:90%RH Time: 72Hrs Unit: Power off
4	High temp Operating	Temp:50°C, Time: 24Hrs Unit: Power on
5	Low temp Operating	Temp:-20°C, Time: 24Hrs Unit: Power on
6	IP Rating Requirement	Meets IPX5 requirements
7	Random Free fall test	Drop height 1.5m onto concrete surface; Drop times: 6 times; Check structure and acoustic functions
8	Alcohol test for surface painting	95%above alcohol; Load force: 500g, duration 10 times
9	RandomFree fall test of carton box	The packaged box, with complete products and accessories as per shipping configuration, is dropped from a height of 0.75 meters onto concrete. After the test, check the packaging, product functionality, and appearance.
10	Vibration test of carton BOX	The packaged box, with complete products and accessories as per shipping configuration, is fixed on a vibration tester. Use frequency: 50HZ 6dB; 100HZ 0.02G2/HZ; 1000HZ 0.02G2/HZ; 2000HZ -6dB, X/Y/Z three axes each vibrate for 2 hours. After the test, check the packaging, product functionality, and appearance.

6. Product Certification

I. Find My

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7. Quality Acceptance Standards

Inspection Conditions

1. Temperature and Humidity: Inspected at natural temperature and humidity
2. Inspection Environment: No high-power radio interference signals nearby
3. Light Intensity: (400~700lux)
4. measure distance: 25cm

FCC Statement

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.

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.