SHENZHEN CHAINWAY INFORMATION TECHNOLOGY CO., LTD

V600 User Manual

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V600 User Manual

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Statement

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Chapter 1 Introduction

Chainway V600 is a fixed vehicle computer with superior and reliable performance. Featuring 4G LTE network, 2.4G & 5G dual-band Wi-Fi, ultrafast Quadcore processor, GPS & BDS, two-channel external camera,5MP autofocus camera, fingerprint and face recognition, OBD data collection, Bluetooth 4.0 as well as biometrics, supporting calls, SMS, voice and recording functions, it can fully realize the overall management of driving school vehicles, school buses, taxis, buses, trucks etc, effectively ensuring traffic safety.

Chapter 2 Installation

2.1 Extrinsic feature

V600 Extrinsic feature and interface are showed as below:

Front:



Back:



Top:



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Right:



2.2 SIM card and Micro SD card installation

Refer to top picture in 2.1, SIM card and Micro SD card slot is on the right side above. SIM card slot needs to be opened by niddle.

2.3 Power connection

Refer to right picture in section 2.1, connect one end to V600 device, the other end to vehicle to supply power.

Attention: Under development stage, the power cable can be connected to the DC adapter to supply power, please pay attention to VCC and GND connection difference via the sign on the cable.

2.4 Power Button

Refer to right picture 2.1, long press the power button for 3s to power on and off the device. Short press the power button to get the device into and out of sleep mode.

Chapter 3 Data Acquisition

V600 is able to gain its high data acquisition ability through RFID, fingerprint and camera:

- Data acquisition, identification and validation for passengers and drivers can be collected with fingerprint and IC card.
- Face recognition can be established by related software.
- Used in data acquisition for driving school vehicles, school buses, taxis, buses, trucks etc.

3.1 RFID

V600 equip with optional NXP HF module, it supports ISO14443A/B protocol.

3.1.1 14443A



1. Open App Center. The test demos are showed as below:

- 2. Press "14443A", and press "scan" to start scanning.
- 3. The function supports M1 and ULTRA LIGHT read and write.

	🗱 🗶 📋 6:51 PM	🖬 🔛 🔛 💼 6:51 PM
< 🔁 14443A	1	< 🔁 14443A
SCAN	M1 ULTRA LIGHT	SCAN M1 ULTRA LIGHT
Auto Scan	Interval 100 ms	Tag Type: S50 Key Type: A
		Key: FFFFFFFFFF
		Sector: 1 Block: 0 Read
		00000000000000 Write
		General Automatic

total	0	success	0	
	Clear	S	Scan	

3.1.2 14443B

In Appcenter to open "14443B" function and UID infor can be scanned.



3.2 Fingerprint

- 1. Open the Fingerprint Demo in Appcenter.
- 2. Put the finger to the fingerprint module and set the ID/name of the template under "ACQUISITION".
- 3. Put the finger to the fingerprint module properly and identify by ID/Name/Score under "IDENTIFICATION".
- 4. The local templates can also be checked under "Data".

3.3 Camera

3.3.1 Front Camera

Click icon "Camera" in the home page and test the front camera function:



3.3.2 External Camera (optional)

Connect the external camera to the extension cable to get external camera running, refer to picture below:





Demo and test:

1. Open OTG function in App center first.



2. Enter "Mainactivity" to and test the external camera function:



3.4 OBD

OBD with below functions:

- Accurately record the location, speed and fuel consumption, and trigger real time alarm.
- It helps analyze driving behaviors and give pertinent suggestions, saving traffic overheads.
- Professional vehicle fault diagnosis is realized to ensure road safety and prolong life span.

Connect OBD connector to vehicle, refer to picture below:



Chapter 4 Network Communication

Whether indoors or outdoors, V600 provides enterprises with anywhere, anytime real-time connectivity by Bluetooth, fast 4G LTE network and 2.4G & 5G Wi-Fi.

4.1 Phone

4.1.1 Phone Call

- 1. Click this icon.
- 2. Click the number button to input the numbers.
- 3. Click the button to confirm and dial.
- 4. Click the **calling**.



4.1.2 Contacts

- 1. Click "Contacts" to open the contacts list.
- 2. Click icon to add the new contact.
- 3. Click icon to import/export or delete the contact list.

	4 030 cuilliecteu		
Group	-	2 *-	Favorites
	ME	No contacta.	
	Set up my profile	e	Contact List
	Delete Contac	t	
	Contacts to di	splay	
	Import/export		
	Accounts		
	Settings		
	C Share visible o	contacts	

4.1.3 Messaging

- 1. Click icon 🔛 to open the message list.
- 2. Click icon sto input the content.
- 3. Click icon \geq to send the message.
- 4. Click icon to add photos, videos.



4.2 GPS

- 1. Open the GPS demo in App center and turn on GPS module.
- 2. Set the GPS parameters and get the GPS data information.



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Location services	11:17 AM	GPS T	iool		1:44 A
MYLOCATION			ocating	Satellite :	0/3
Google's location service		Lon : Altitude :		Lat : Time :	
Let apps use data from sources such as Wi-Fi and mobile networks to determine your approximate location	×		The satellite	signal	
GPS satellites Let apps use GPS to pinpoint your location					
GPS EPO assistance Use GPS assistance data (EPO) to speed up GPS positioning					
EPO settings					
Click to modify EPO configurations					
A-GPS					
GPS can speed up the fixed time of location with assistant data via wireless data connection		0	0 0		
		20# 32	1930		

4.3 Bluetooth

- 1. Open the Bluetooth demo in App center and turn on the Bluetooth.
- 2. Input the content or select the file, then scan the nearby Bluetooth printer and pair them.
- 3. Select the printer and click "Print" to print.



Chapter 5

5.1 PING

- 1. Open the Ping in App center.
- 2. Set the Ping parameters and select the internal/external addresses.



5.2 Volume Settings

- 1. Open the Volume Setting demo in Appcenter.
- 2. Set the volumes based on the requirements.

≡ AppCer	iter		4 4 4 10	💎 🖌 🔝 11:45 ам
030	4		Colume setti	ngs
2D(S)	BT Printer	Keyboard	SYSTEM	
Network	GPS	Analog Call	ALARM	
UHF	14443 A	14443A CPU	VOICE CALL	•
14443B	15693	RFID_LF	NOTIFICATION	•
Battery	Fingerprint	حا))) Volume	RING	•
4-0	Δ	83		•

5.3 Sensor

- 1. Open the Sensor demo in App center.
- 2. Test the sensor based on the requirements.

≡ AppCer	nter	1	(💥 Sensor	KEYBOARD
UHF	14443A	14443A CPU	Light	
¢		¢	R G B Open	Auto
14443B	15693	RFID_LF	P-Sensor value : 1.0	
Battery	Fingerprint	⊲))) Volume	Light Sensor value : 160.0	
4-0 Sensor	Beidou	PSAM		
Ō		2		
Camera	Camera ba	NFC		
Printer				

5.4 Keyboard

- 1. Open the Keyboard demo in Appcenter.
- 2. Set and test the key values of the device.

		📅 🛡 🛛 💈 上午4:00
〈 💽 按键测试		传感器
19 20 21 22	ОК НОМЕ	键 menu 返回键

5.5 Network

- 1. Open the Network demo in Appcenter.
- 2. Test the WIFI/Mobile signal based on the requirements.

≡ AppCer	nter		20213	💎 🖌 🗿 11:51 am	4 4 4 2	👽 🖉 🖬 11:51 AM
		_	K- Network Signal	Fool	Network Sign	al Tool
		<u>ٹ</u>	WIFI	MOBILE	WIFI	MOBILE
Network_A	Ping	Upload	Connected To : YF [ac:f1:df: IP:192.168.100.65 Speed :		SP : UNKNOWN Status Network Type : UNKNO	
Download	1D	2D	dBm 360WiFi-0958 [f0:7b:cb:a1:5	i1:60]	Signal	Strength
	*		加速: [WPA2-PSK-DCMP][FSS] (5通: 10・2157 で扱い-53 dbm 360WiFi-4797 [64:27:37:05:			
2D(S)	BT Printer	Keyboard	加坡::[WPA2-PSK-DCMP][ESS] 信道:11+2462 等级: 71 dBm			
Network	GPS	Analog Call	chainway [38:83:45:97:84:64 m歷: [WPA-PSK-TICIP+CCMP][W TICIP+CCMP[[WPS][ESS] 信道: 3 * 2422		-	
			jls [44:2b:03:8b:3e:8c] 加密:[WPA2-PSK-CCMP][ESS] 伝道:6 * 2437 死致:-79 d3m			
UHF	14443A	14443A CPU	chainwav [38:83:45:80:b6:42			
	El:35347104496 2:00:08:22:00:42		WiFi Count : 12	Pause	9	5me (115128