MANUAL

MDT661

TABLE OF CONTENTS

Device

The phone and the battery should not be thrown into the fire and not be used in areas
where the temperature exceeds the specified values.
This can lead to the outbreak of a fire or cause the battery to explode.
In addition, this will result in a leak occurring and the functionality
will be significantly reduced or the phone cannot no longer be used.
If you are charging the battery or when using the phone, and you realize
that the temperature of the case is unusual high, because the battery has overheated,
please quit the applications.
Do not charge the battery continuously for more than 24hours.
Should this precautions be disregarded, there is no guarantee.
Please charge and discharge the device as one cycle at room temperature
when devices are stored for half year or above.

Do not attempt to repair, customize, or disassemble the device without
the appropriate knowledge and pre-cautions may lead to dangerous situations
with chance on damaging the product.
Do not use in extreme conditions such as high and low temperatures,
high humidity or moist environments and around magnetic fields.
Avoid long-time exposure to sunlight. Only use by the manufacturer
permitted accessories to avoid damages to the product with possibly warranty loss.
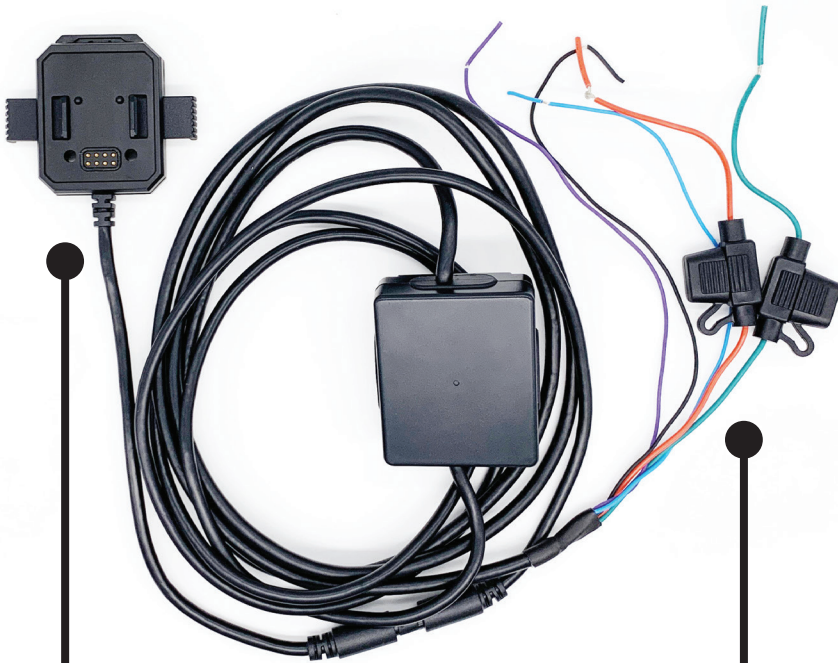
Environment

The phone is for the outdoor area designed. It is waterproof, dustproof and shockproof.
- The device can be used for up to 30minutes in 1.m deep lying water.
- You can do it in dirty and dusty environments.
- Ambient temperatures are from -10oC to 60oC possible.
- The impact resistance was with a drop height of 1.2m tested.

Package components

Phone

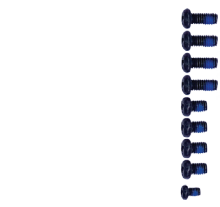Cradle   Charging Cable   Mount
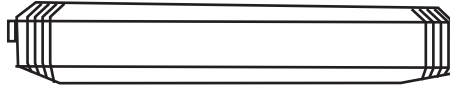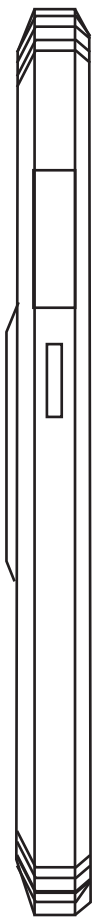
Plug and USB Cable
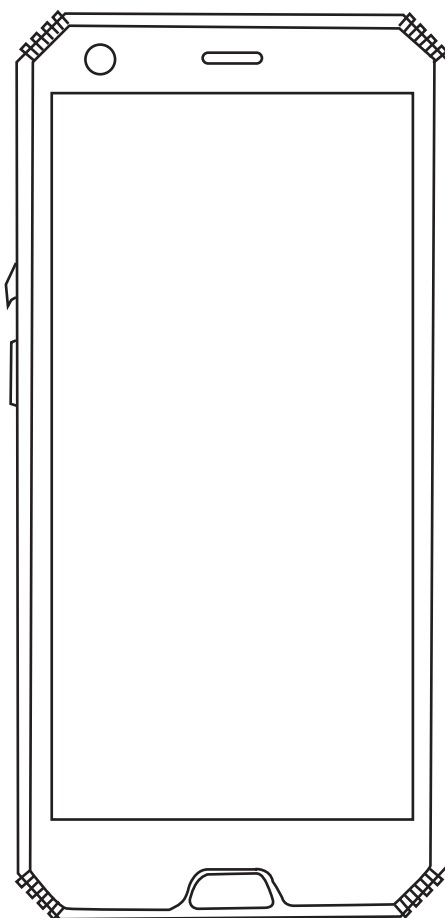
Screws:
4 nos.
4 nos.
1 no.

Pin

Screwdriver

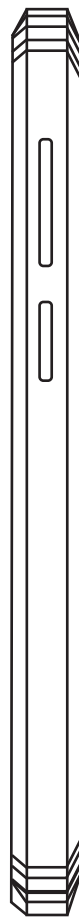## Front / Left / Right / Top / Bottom / Rear

Top View
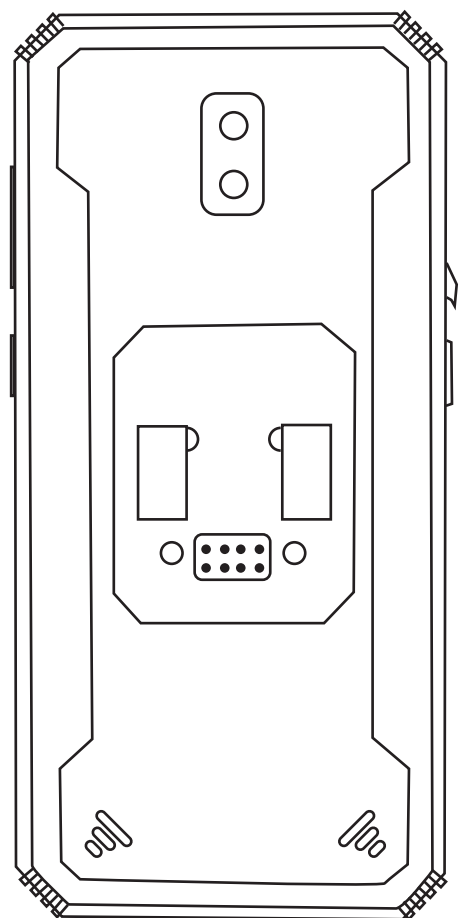
Left View
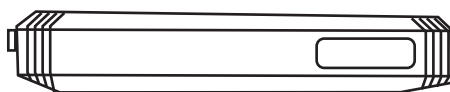
Front View

Right View

Rear View

Bottom View

Inserting SIM card

SIM ➡️
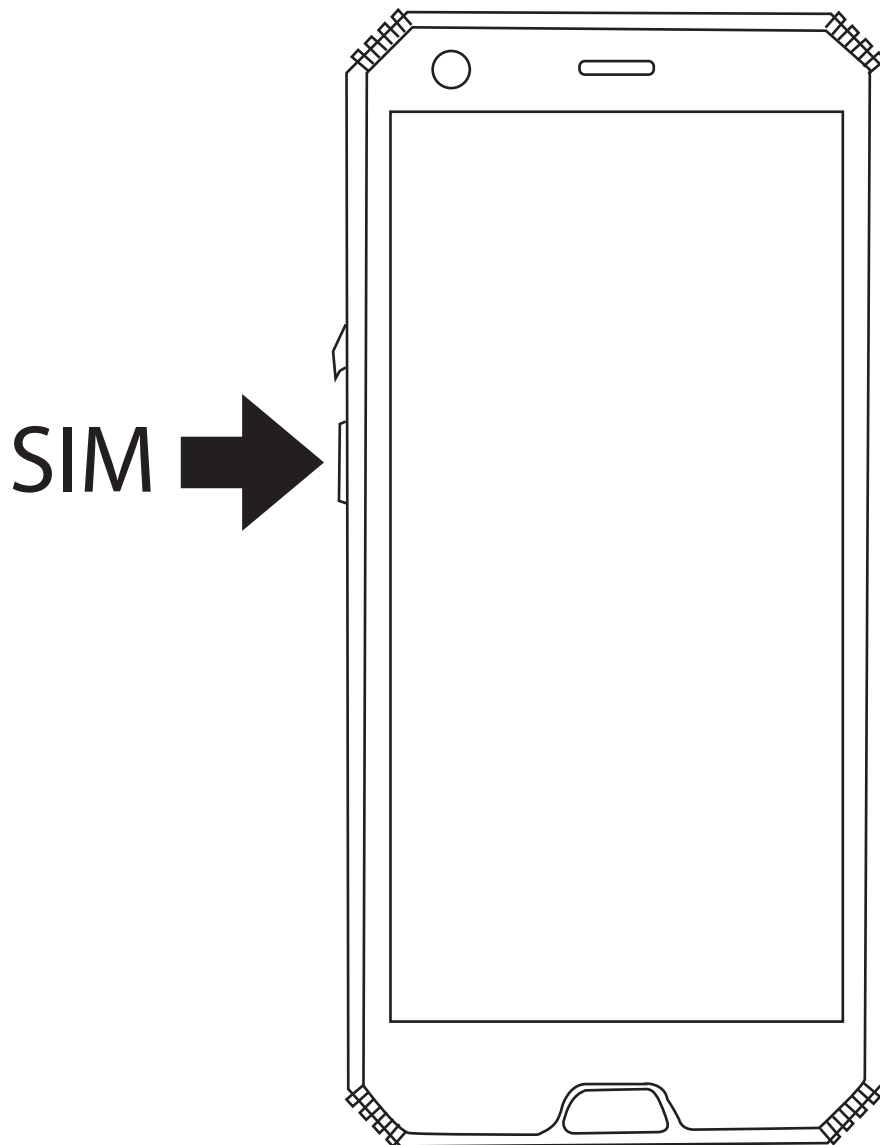
SIM card

- Screw out to unlock multi-card tray.
- Insert a pin to eject the card holder.
- Place / remove of SIM/Micro SDXC card into the multi-card holder.
- Insert the multi-card holder.
- Multi-card holder can be locked by screw in preventing
  from the SIM to be lost or stolen.

2 IN 1 CRADLE

Option 1
Easy-Detach -To-Go

Suitable for
driver who wants
to easy pick
the device & go
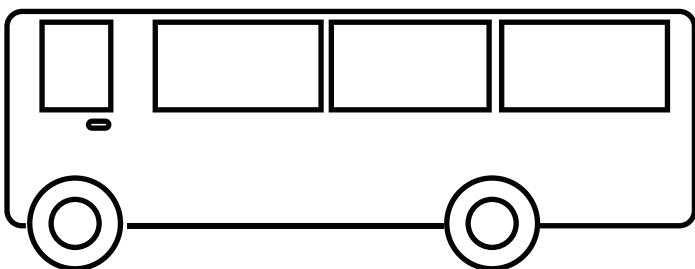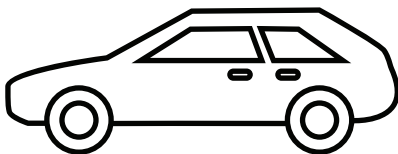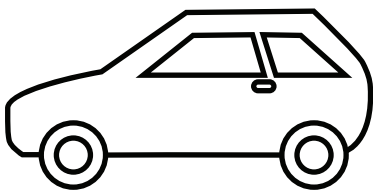
Option 2
Strong- Mounted

Ideal for
Topless Vehicule
which fits for
an open-air
driving experience
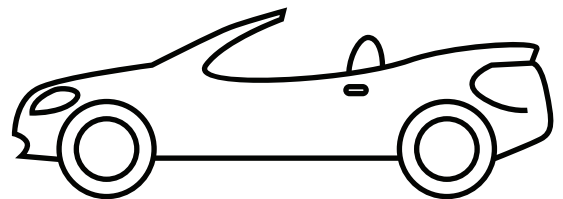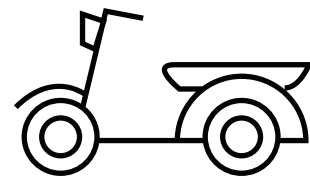
Cradle installation - Option 1 (Easy-Detach-To-Go):

FIRST

Press

Step 1

Long Press

Long Press

SECONDLY

Step 2

Flip the clip to hold the cradle

SCREW x 4nos.

Step 1
Screw to attach the mount

Step 3
Stick and mount
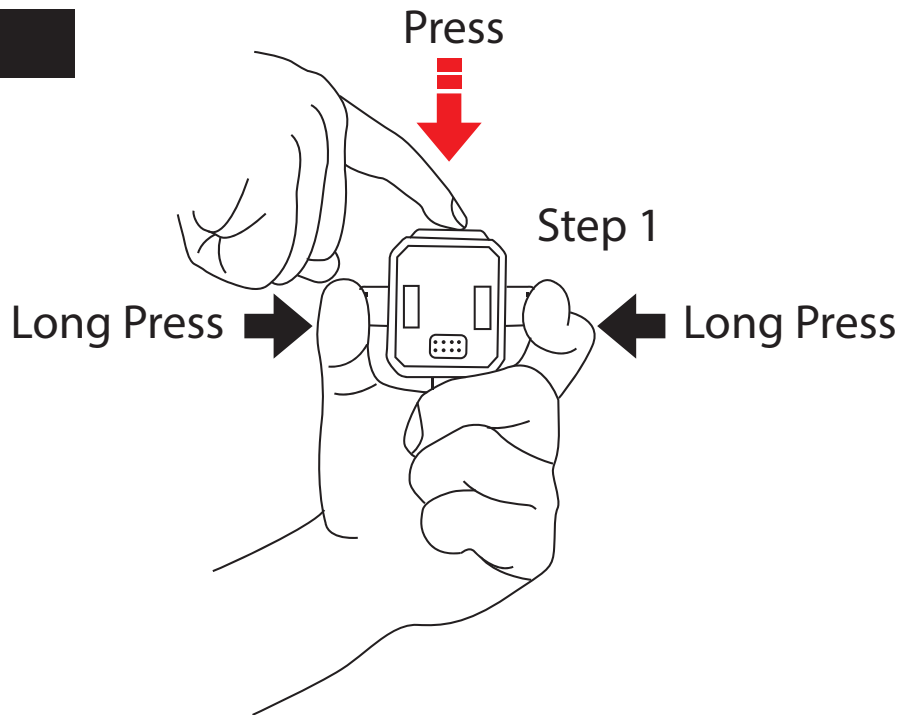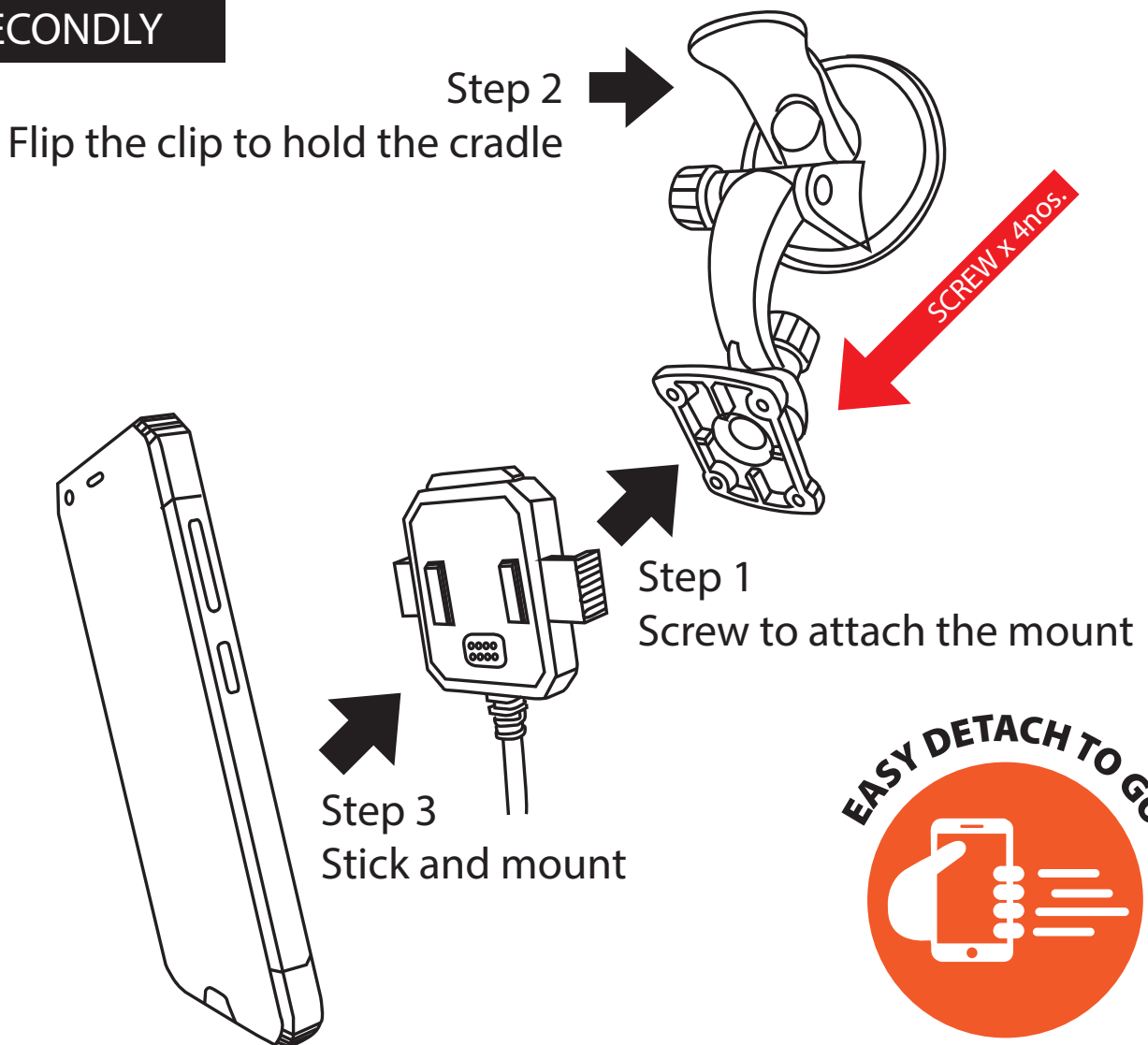
EASY DETACH TO GO

Cradle installation - Option 1 (Easy-Detach-To-Go):

THIRDLY
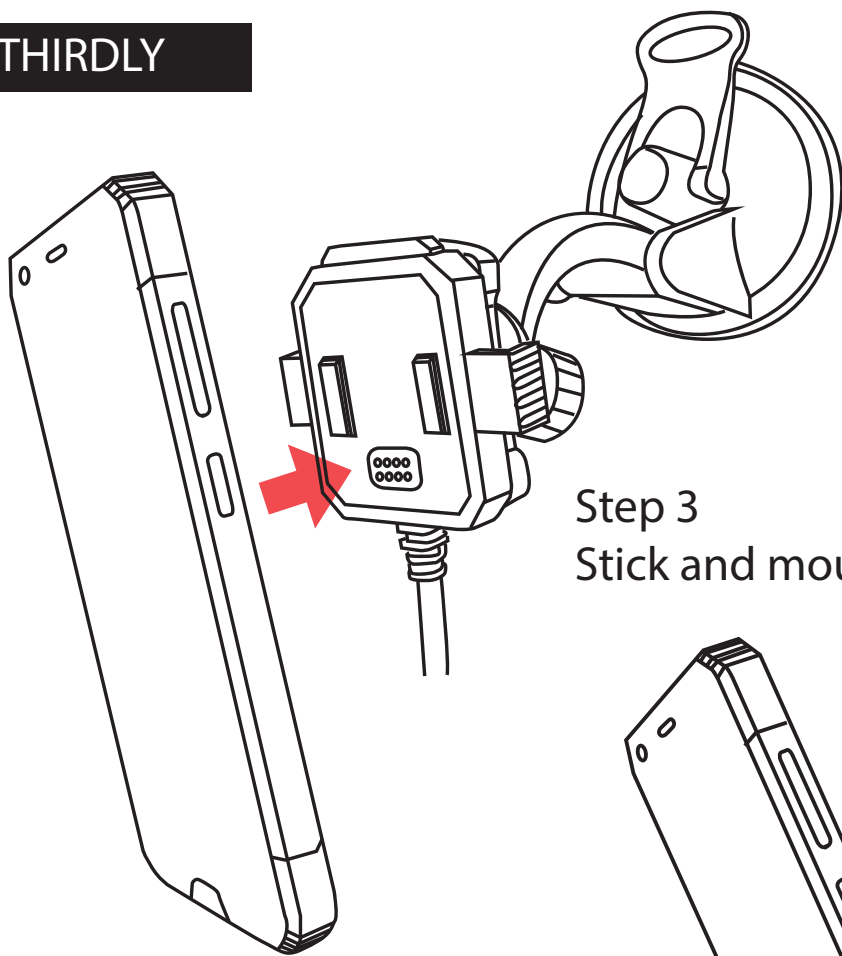
Step 3
Stick and mount

FINALLY
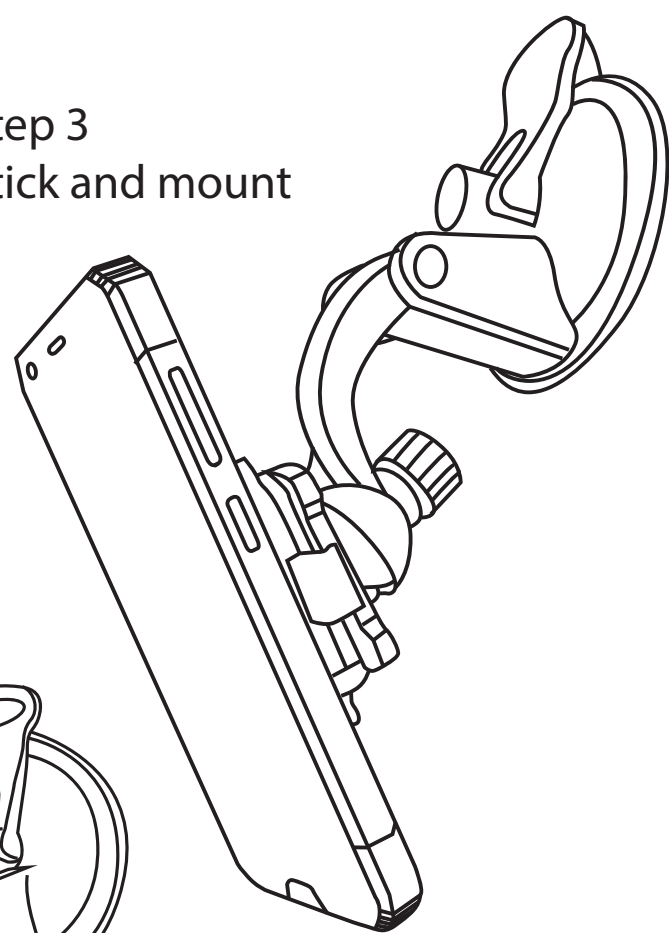
DETACH
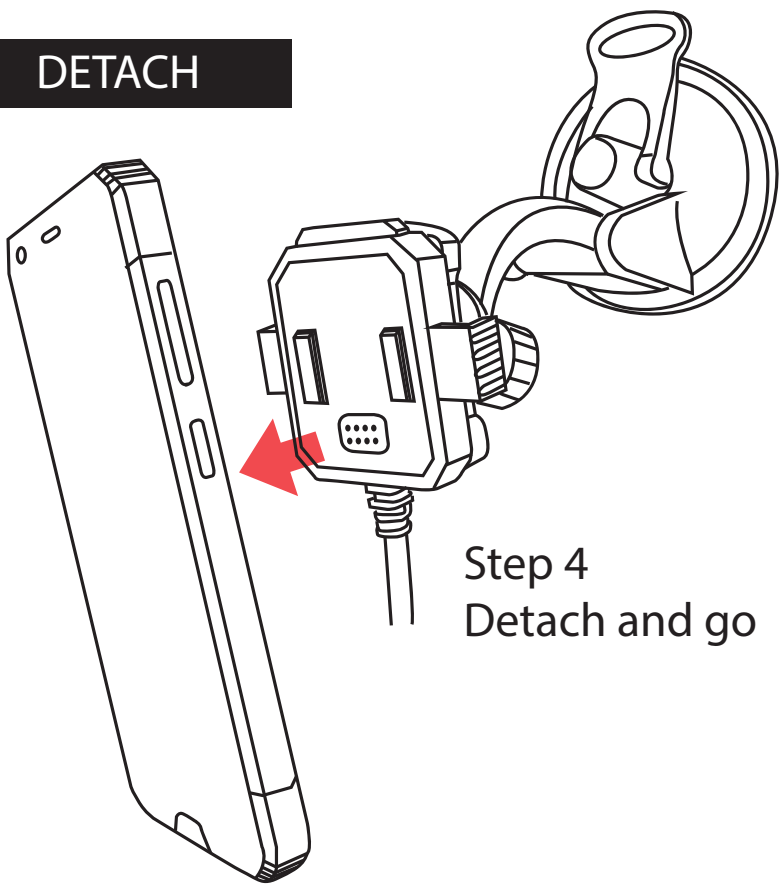
Step 4
Detach and go

EASY DETACH TO GO

Cradle installation - Option 2 (Strong-Mounted):

FIRST
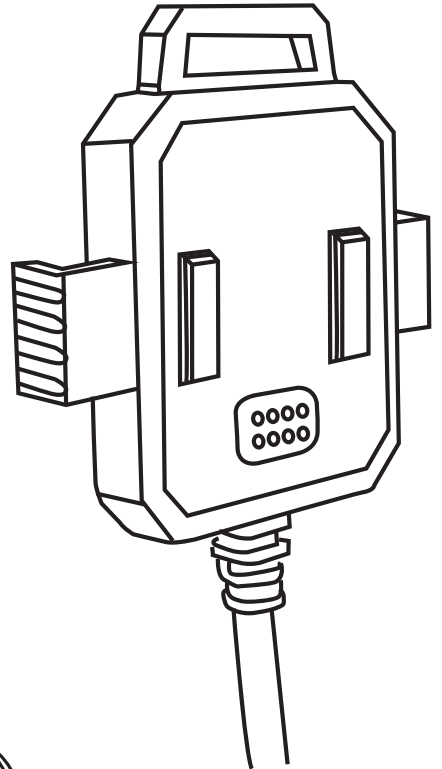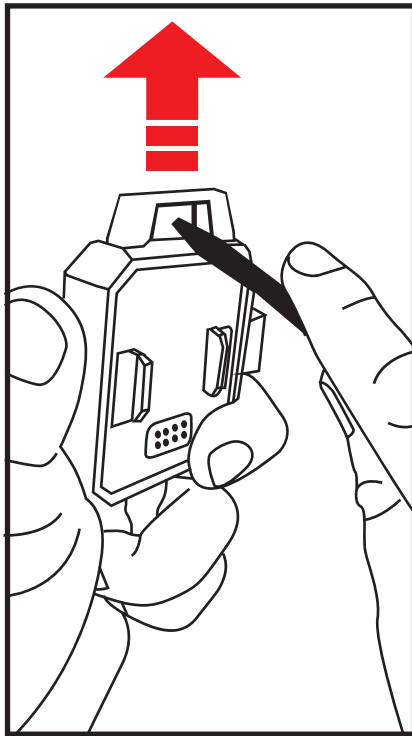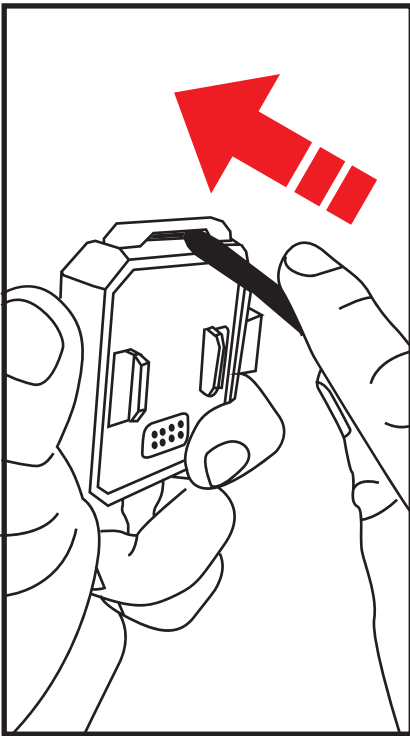
SECONDLY

Flip the clip to hold the cradle

Step 2
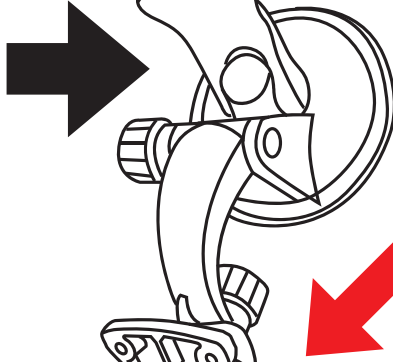
SCREW x 4nos.

Step 1
Screw to attach the mount
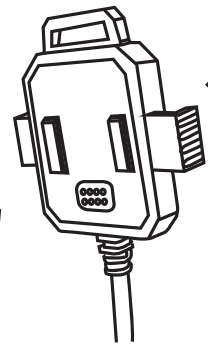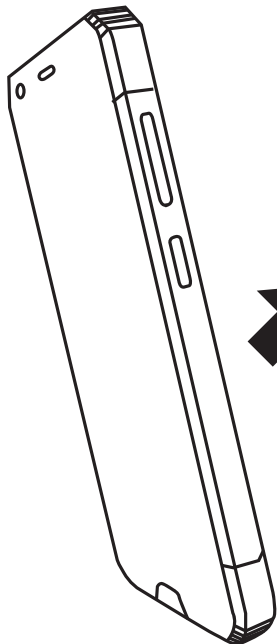
Step 3
Stick , mount and lock

STRONG MOUNTED

Cradle installation - Option 2 (Strong-Mounted):

THIRDLY

FINALLY

Step 3
Stick , mount and lock

DETACH

Long Press
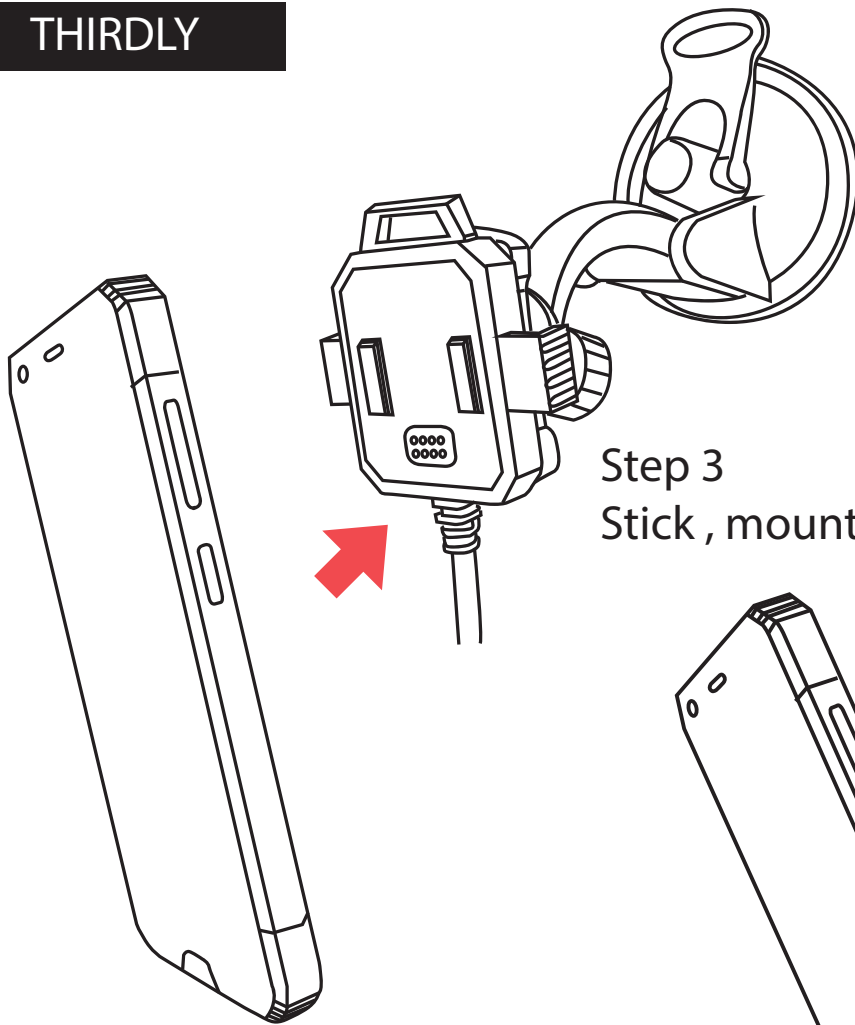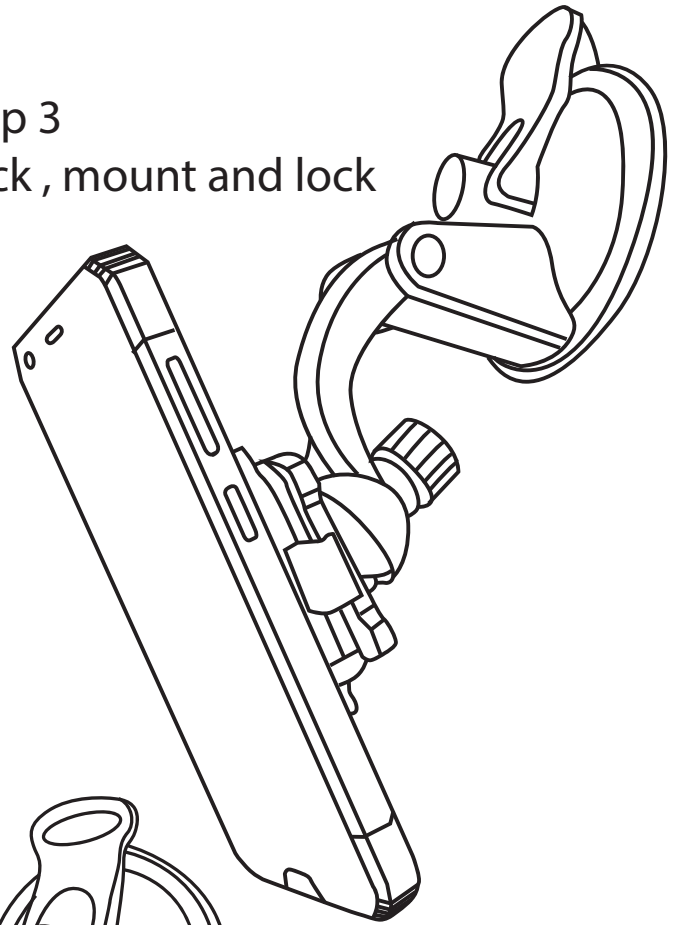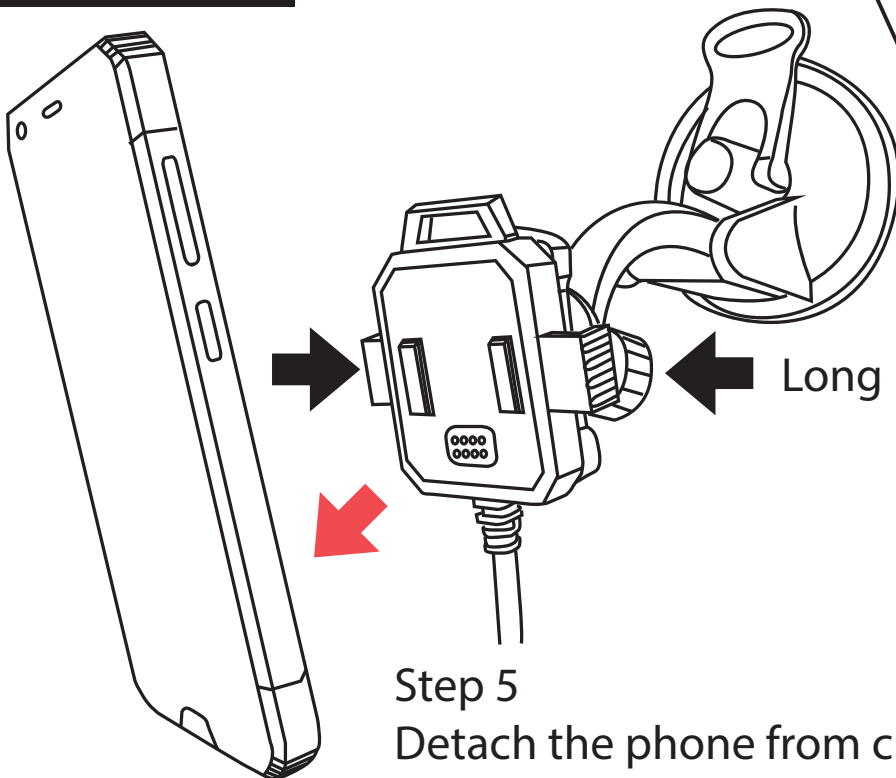
Step 5
Detach the phone from cradle

STRONG MOUNTED

Charging Device

Black

Purple

Blue

Red — Plug into vehicule power supply

Fuse

Green — Connect to power supply or car ignition

Fuse
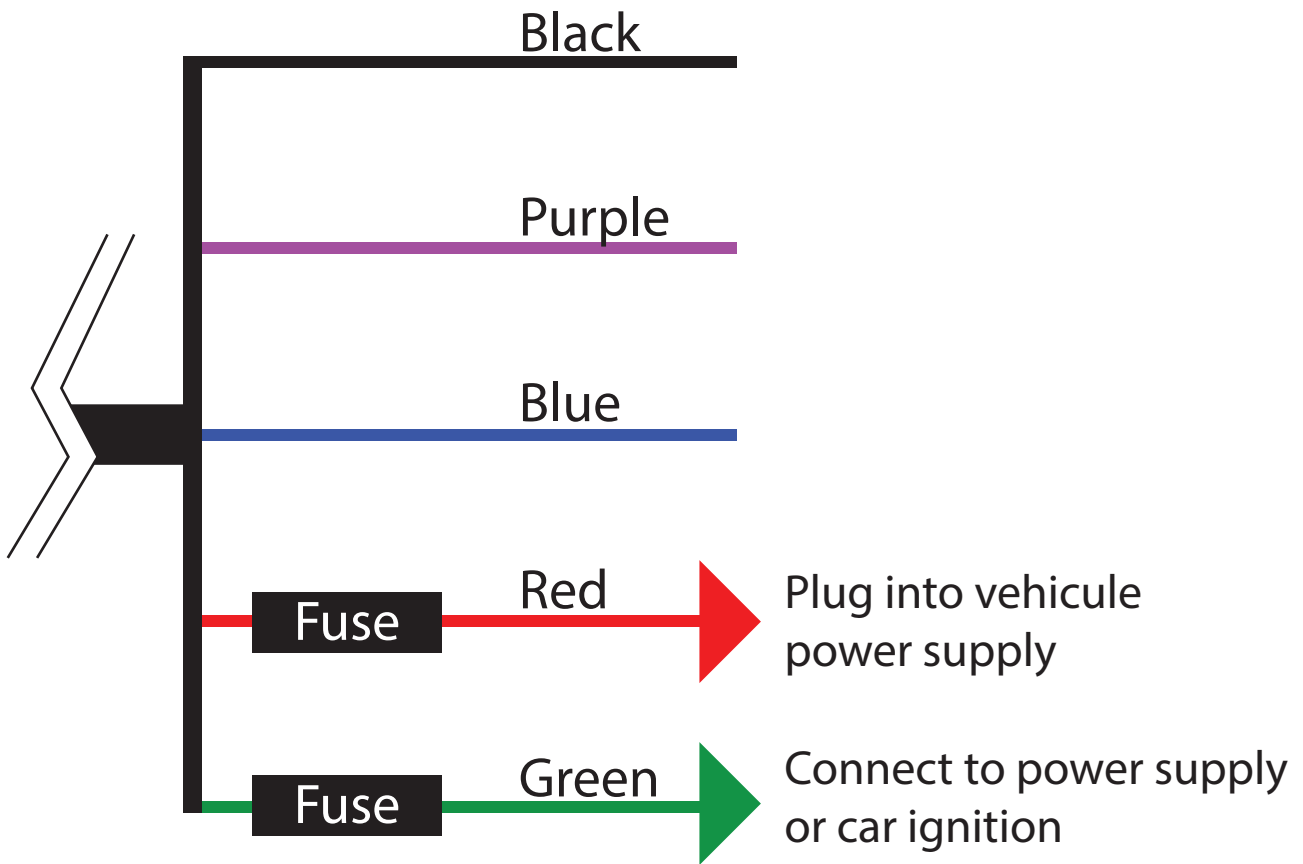
CORE	DESCRIPTION
Black	GND + Shield
Purple	RXD (RS232)
Blue	TXD (RS232)
Red	Power 9-36V (with fuse)
Green	Ignition 9-36V (with fuse) {Please note that the ignition input is used to control the power supply to the phone. If ignition is low, no power supply to the phone (no charging)}

Android Tutorial

Start Screen

Home Screen
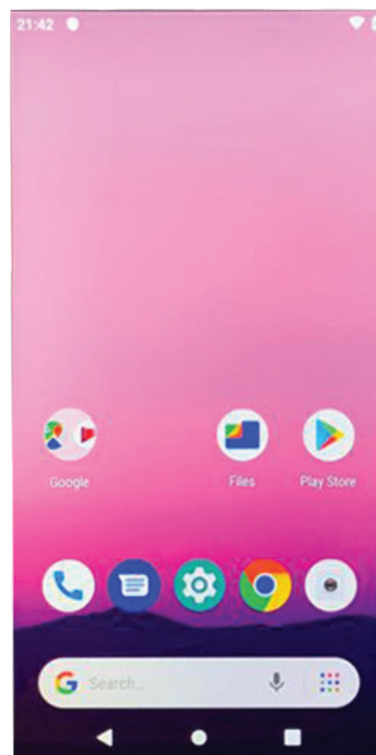
Status Bar

The status bar shows your phone's status and notifications.

The notification panel is your center for new events:

like new e-mail, voicemail, updates, and more.

Slide down to display notifications. Touch a notification to respond.
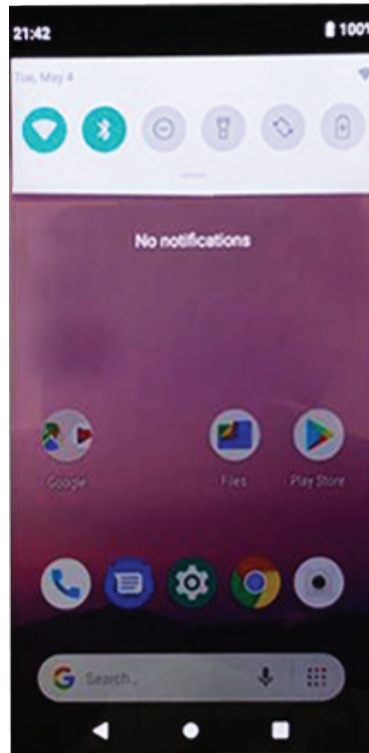
APP Screen
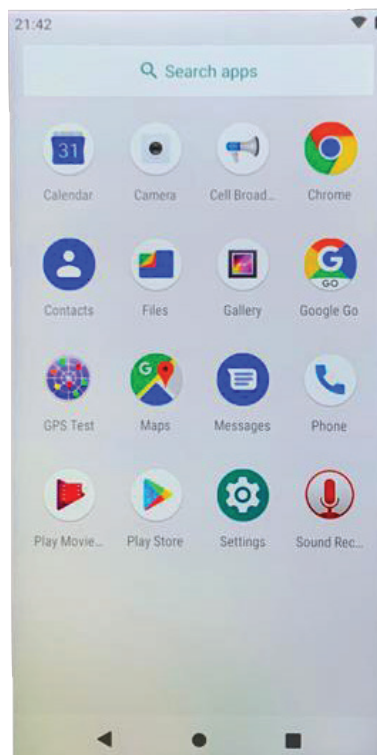
Switching between home screen and app screen.
Slide your fingers up from the bottom of the home screen.

Split screen:

1. Press the recent key to the right of the touch screen to display
   the recent applications history.
2. Press and hold the icon on top of the application you want
   to split screen.
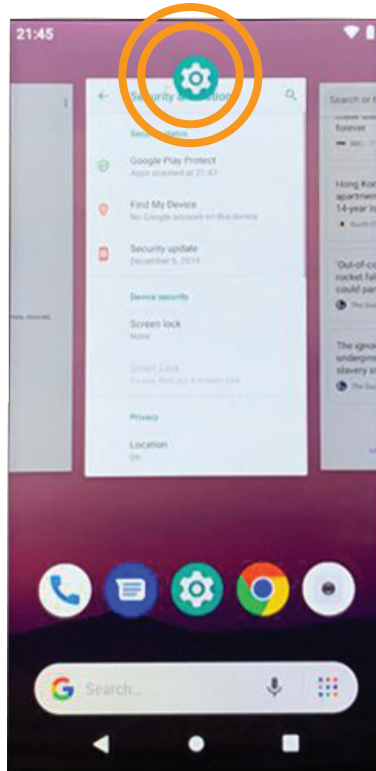
3. Click Split screen.
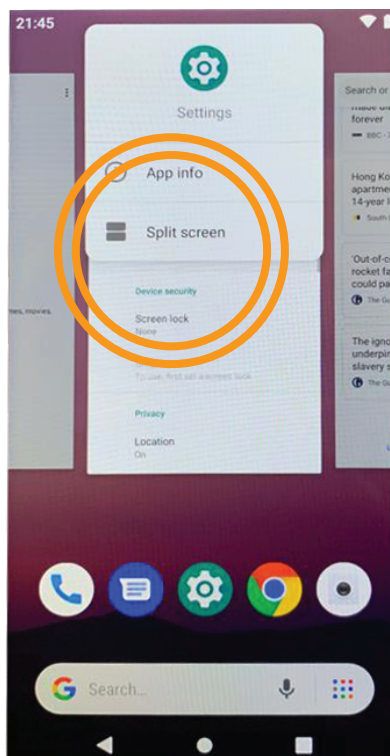
4. Select second app displayed at the same time.
5. When the second app appears, click the app to confirm the selection.
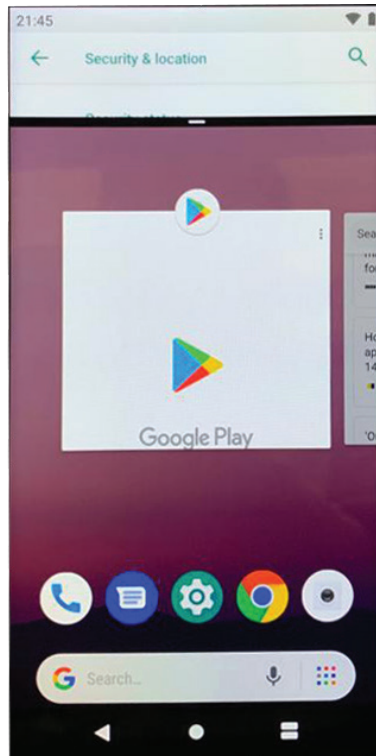
6. Release the app. Both apps appear in the screen.
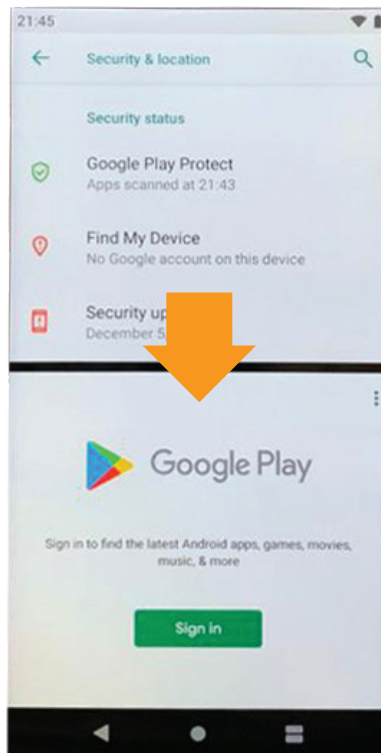
Close active Apps:

1. Press the recent key to the right of the touch screen.
2. Slide your fingers up from the bottom of the application you want to close.
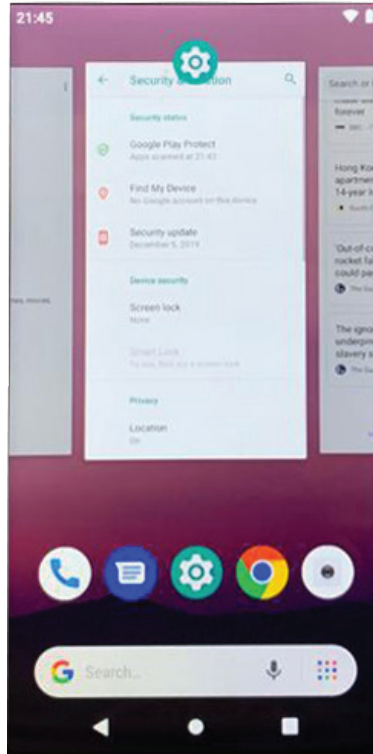
Turn off the device:

1. Press and hold the power button for about three seconds to choose power off.
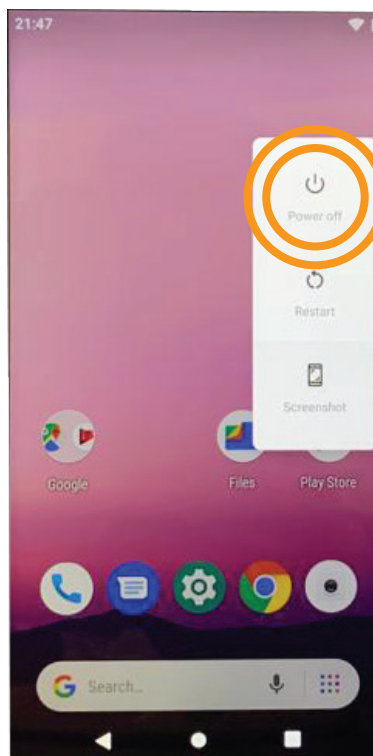
Connecting to Wi-Fi network:

1. Tap Settings icon to open settings menu.
2 . In the Settings menu, tap Network & internet.
3 . Tap the Wi-Fi toggle to enable Wi-Fi connections.
4. When the list of Wi-Fi networks appears, tap an available network.
5. Tap Connect.
6. Type in the password to connect to the network.

After you connect to a Wi-Fi network, the device will automatically connecting to mobile network whenever it is within range.

Connecting to mobile network:

1. Insert a SIM card
2. In the Settings menu, tap Network & internet
3. Tap Mobile network
4. Enable Mobile data
5. It will show the 4G icon on the status bar if the 4G network is connected.

Sharing a mobile connection, to share a connection to a mobile network with other devices, follow these steps:

1. Tap settings to open setting menu.
2. Tap Hotspot & tethering.
3. Tap Wi-Fi hotspot and tap the toggle switch to turn on network sharing.
4. Specify the name of the network and the password.
5. On the other device, locate the network and enter the password to log in.

Disconnecting from a network::

1. Tap settings to open setting menu.
2. Tap Hotspot & tethering.
3. Tap Wi-Fi hotspot and tap the toggle switch to turn off network sharing.

Inserting / Removing of SIM card / Micro SD Card
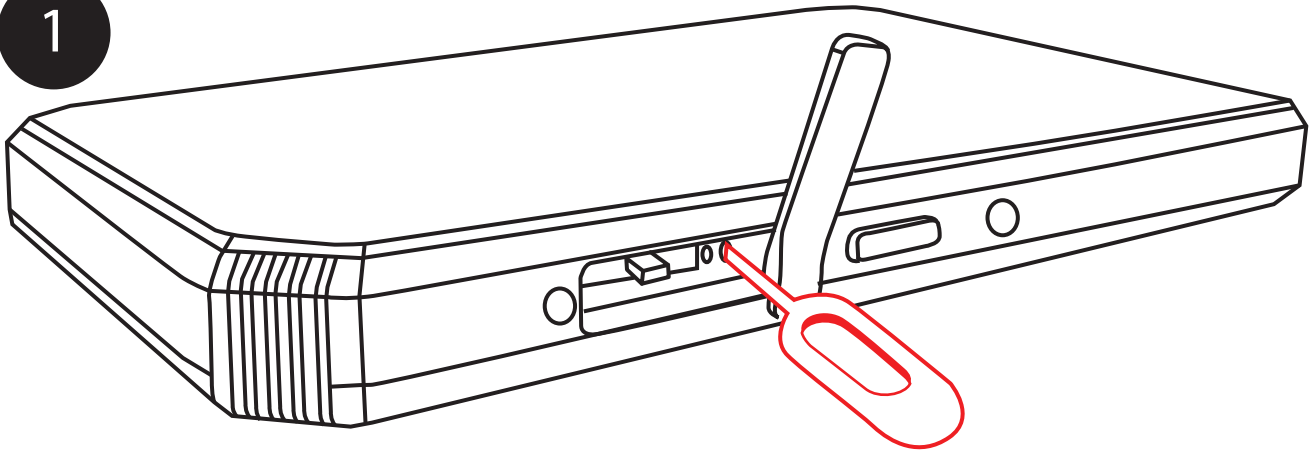
Insert a pin to pop the card holder.
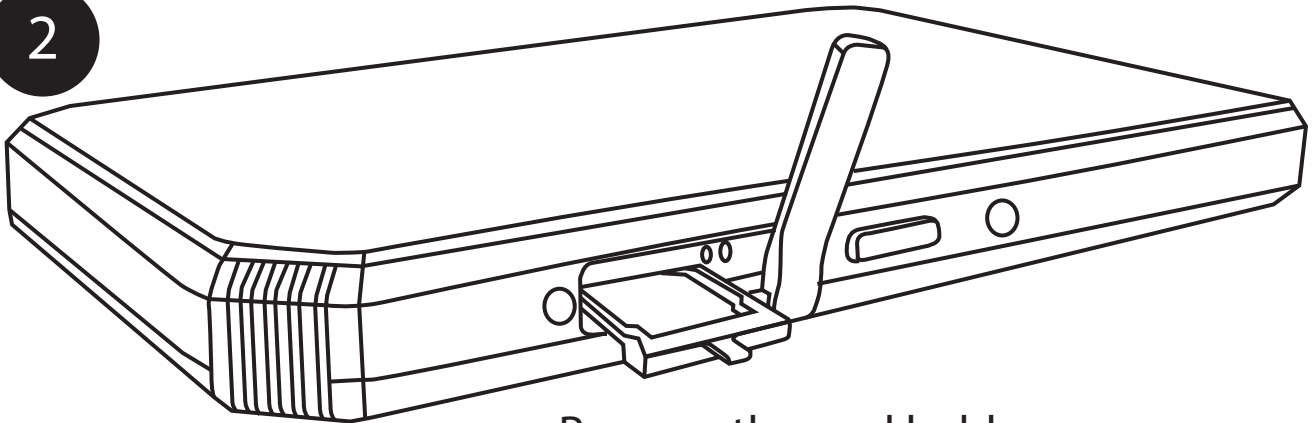
Remove the card holder.
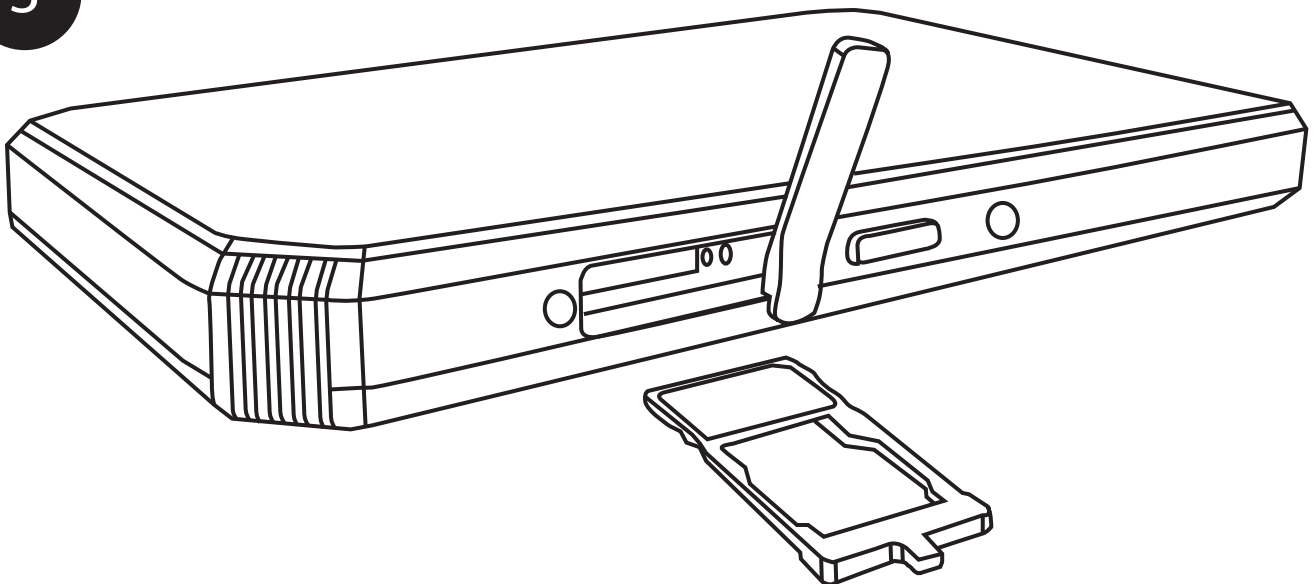
Inserting / Removing of SIM card / Micro SD Card

4   Place the cards

OR
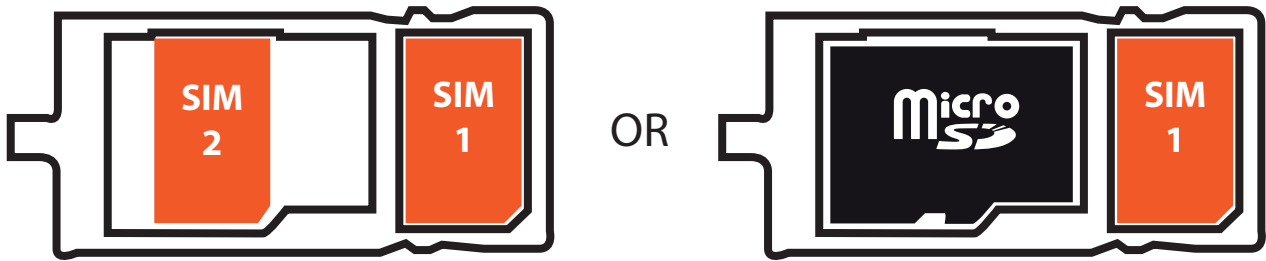
5
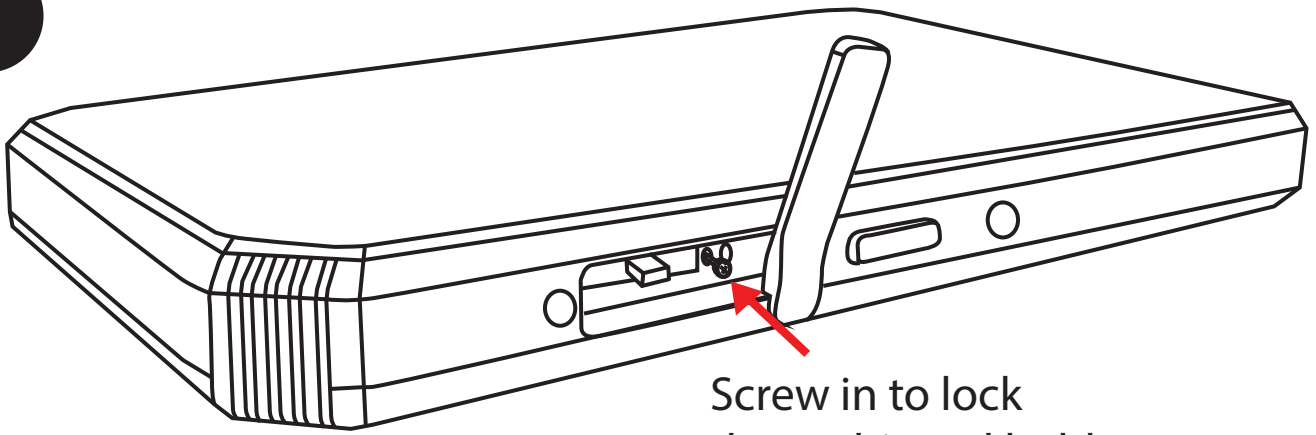
Screw in to lock
the multi-card holder.

MODEL	
5.7"	MDT661
PERFORMANCE CHARACTERISTICS	
CPU	2.0GHz Octa Core Processor
OS	Android 9.0 with GMS or without GMS (Optional)
Memory	4GB LPDDR4X 32GB eMMC
PERFORMANCE CHARACTERISTICS	
Dimensions (L x W x D)	161.5 x 77.5 x 14.5 mm
Weight	280g
Display	5.7inch, 1440 x 720
Touch Panel	Gorilla Glass Generation 4.0 (Capacitive multi-touch / Glove, Wet, Stylus)
Backlight	LED Backlight
Power	Battery 3.7V 4000mAh
Expansion Slot	User accessible micro SDXC card slot (standard supports up to 2TB)
SIM	2 Nano SIM
Interface	Docking Connector (8-pin) 1 x USB Type C (2.0) (OTG)
Notification	Audible tone
Voice / Audio	Speaker, Microphone, Headphone
Keypad	On-screen Keypad
WIRELESS WAN DATA AND VOICE COMMUNICATION	
Radio Frequency	EUR - (Europe Market)
	GSM:900/1800MHz
	WCDMA - 850/900/2100MHz
	FDD (4G,EUR) - B1, B3, B5, B7, B8, B20
	TDD (4G) - B40, B38/B41
	NAR - (North America Market)
	GSM : 850/1900MHz
	WCDMA : 850/1700/1900MHz
	FDD (4G,NAR) : B2, B4, B5, B12, B17
	TDD (4G) : B40, B38/B41
GPS	A-GPS, GLONASS, BEIDOU, Galileo

* Specification is subject to change.

WIRELESS PAN	
Bluetooth	V2.1+EDR, 3.0+HS, V4.1+HS

WIRED LAN	
Radio	802.11 a/b/g/n/ac/d/r/h/i/v/k/w
Data Rate	5GHz:802.11a/n/ac - up to 500Mbps ; 2.4GHz:802.11b/g/n - up to 144Mbps
Security & Encryption	WFA WPA/WPA2 Personal,AES-CCMP, WPI-SMS4, GCMP, WPS2.0, WAPI(hardware)

DATA CAPTURE	
Scanning (Optional)	1D&2D Imager (w/ Smart Plug)
Camera	Rear 16MP Autofocus / Front 8MP Fixed Focus
NFC	ISO 15693, MiFare, DesFire
Serial Communition	USB or RS232 (default with docking station)

SENSOR	
Light Sensor	Ambient Light
Motion Sensor	Accelerometer, E-Compass, Gyroscope

USER ENVIRONMENT	
Operating Temperature	-10°C to 60°C / -14°F to 140°F
Storage Temperature	-20°C to 70°C / -4°F to 158°F
Humidity	90% non-condensing
Drop Specification	1.2m / 4 ft. to drop per MIL STD 810G
Sealing	IP67
Electrostatic Discharge (ESD)	+/- 8kVdc air discharge +/- 4kVdc direct discharge +/- 4kVdc indirect discharge

OPTIONAL ACCESSORIES	OPTIONAL FEATURES
Vechicle docking station Motorcycle docking station	FM boardcasting Fingerprint

* Specification is subject to change.

Topicon's device management server is developed to allow customer to update different firmware and make kiosk mode function:

- BOOT ANIMATION
- INSTALL APK
- ADD APN
- DEFAULT SETTING
- CUSTOMIZED BUTTON

kiosk mode quick start guide :

https://docs.google.com/document/d/1nsodkquYQnIz6K0846ZwTNscECbnMiOzaJD_81x3cDo/edit?usp=sharing

FCC Radiation Exposure Statement:
This device meets the government's requirements for exposure to radio waves. The guidelines
are based on standards that were developed by independent scientific organizations through
periodic and thorough evaluation of scientific studies. The standards include a substantial safety
margin designed to assure the safety of all persons regardless of age or health.
The SAR limit of USA (FCC) is 1.6 W/kg averaged. Device types: portable device (FCC ID: 2AHAF-MDT661)
has also been tested against this SAR limit. SAR information on this and other pad can be viewed on-line
at http://www.fcc.gov/oet/ea/fccid/. Please use the device FCC ID number for search. This device was
tested simulation typical 10mm to body. To maintain compliance with FCC RF exposure requirements,
use accessories should maintain a separation distance between the user's bodies mentioned above,
the use of holsters and similar accessories should not contain metallic components in its assembly,
the use of accessories that do not satisfy these requirements may not comply with FCC RF exposure
requirements, and should be avoided.

FCC Warning
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 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible
for compliance could void the user's authority to operate the equipment.

CE
The product shall only be connected to a USB interface of version USB2.0
and that the connection to a power USB is allowed.
Use careful with the earphone maybe possible excessive sound pressure from earphones
and headphones can cause hearing loss.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS