MEFERI

V1.0, Oct 2020

ME74
MOBILE COMPUTER

Quick Start Guide

Overview

- Scan LED
- Earpiece
- Front camera
- Proximity & light sensor (only available on the 5G version)
- System LED
- Touch Screen
- Keypad
- Main mic

- Rear camera
- 2nd mic
- NFC
- Flash
- Loudspeaker
- Battery

- Volume up+/down-
- Scan button
- PTT custom button
- Scan button

- Scan engine

- Type C Charging port
- POGO PIN
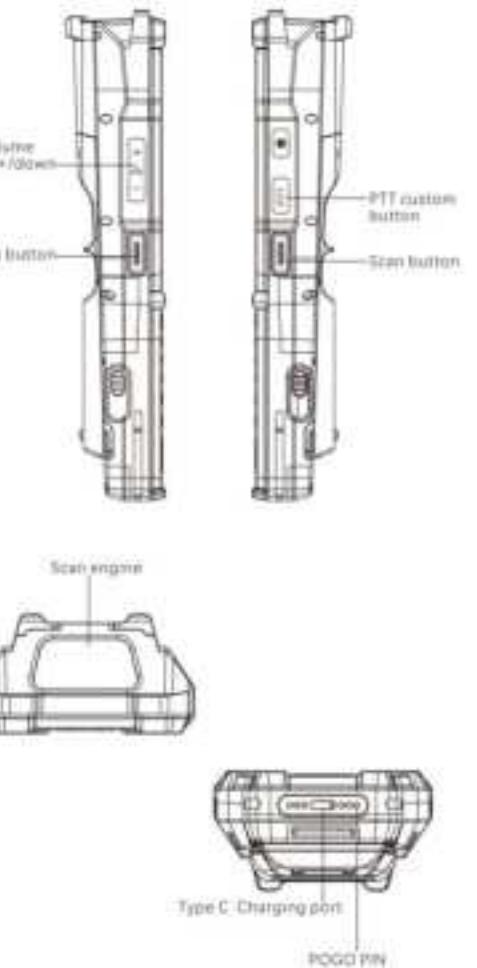
Keypads Introduction

31 Keypads
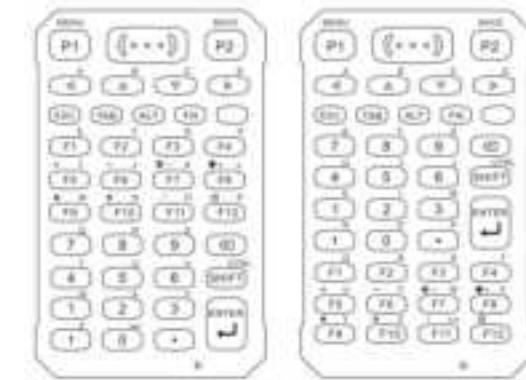
39-1 Keypads
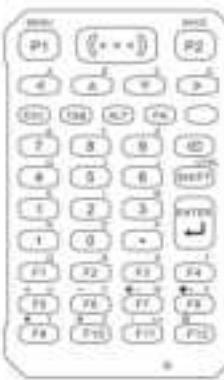
39-2 Keypads

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31 Keypads Introduction

39-1 Keypads Introduction

User button	Normal mode	*SHIFT+key	*Orange key+key	Orange key+*SHIFT+①+key	*Fn
	Android Menu, user customizable				
	Android Backspace, user customizable				
	Enable scanning				
	Left		a	A	Left
	Up		b	B	Up
	Down		c	C	Down
	Right		d	D	Right
	ESC				
	TAB				
	ALT				
	FN function key. Press and release the FN key to activate the keyboard's alternate functions (shown in blue on the keys). The FN icon appears in the status bar. Press and release the blue key again to return to the default keyboard functions.				
	Press the orange key, the keyboard can input the corresponding letter (shown in orange on the key), and the icon will appear in the status bar. Press and release the orange key again to return to the default keyboard functions.				
	F1		e	E	F1
	F2		f	F	F2
	F3		g	G	F3
	F4		h	H	F4
	F5		i	I	/
	F6		j	J	-
	F7		k	K	Brightness+
	F8		l	L	Brightness-
	F9		m	M	=
	F10		n	N	#
	F11		o	O	/
	F12		p	P	@
	0	)	space		0
	1	!	w	W	1
	2	@	[illegible]	[illegible]	2
	3	#	[illegible]	[illegible]	3
	4	$	t	T	4
	5	%	u	U	5
	6	^	[illegible]	[illegible]	6
	7	&	[illegible]	[illegible]	7
	8	*	[illegible]	[illegible]	8
	9	(	[illegible]	[illegible]	9
	[illegible]				
	SHIFT switch		CTRL		
	!				
	+				
	Enter function: execute the selected item or function				

Note: ① Press SHIFT key twice rapidly. If "⇧" appears in the top right corner of the screen, it indicates success.

② Press the orange key once. If "•" appears in the top right corner of the screen, it indicates success.

③ Press the FN key once. If "▣" appears in the top right corner of the screen, it indicates success.

④ Long-press the SHIFT key.

39-2 Keypads Introduction

User button	Normal mode	*SHIFT+key	*Orange key+key	Orange key+*SHIFT+①+key	*Fn
	Android Menu, user customizable				
	Android Backspace, user customizable				
	Enable scanning				
	Left		a	A	Left
	Up		b	B	Up
	Down		c	C	Down
	Right		d	D	Right
	ESC				
	TAB				
	ALT				
	FN function key. Press and release the FN key to activate the keyboard's alternate functions (shown in blue on the keys). The FN icon appears in the status bar. Press and release the blue key again to return to the default keyboard functions.				
	Press the orange key, the keyboard can input the corresponding letter (shown in orange on the key), and the icon will appear in the status bar. Press and release the orange key again to return to the default keyboard functions.				
	F1		q	Q	F1
	F2		r	R	F2
	F3		s	S	F3
	F4		t	T	F4
	F5		u	U	/
	F6		v	V	-
	F7		w	W	Brightness+
	F8		x	X	Brightness-
	F9		y	Y	=
	F10		z	Z	#
	F11		space		/
	F12				@
	0	)	[illegible]	[illegible]	0
	1	!	[illegible]	[illegible]	1
	2	@	[illegible]	[illegible]	2
	3	#	[illegible]	[illegible]	3
	4	$	[illegible]	[illegible]	4
	5	%	[illegible]	[illegible]	5
	6	^	[illegible]	[illegible]	6
	7	&	[illegible]	[illegible]	7
	8	*	[illegible]	[illegible]	8
	9	(	[illegible]	[illegible]	9
	[illegible]				
	SHIFT switch		CTRL		
	!		[illegible]	[illegible]	
	Enter function: execute the selected item or function				

Note: ① Press SHIFT key twice rapidly. If "⇧" appears in the top right corner of the screen, it indicates success.

② Press the orange key once. If "•" appears in the top right corner of the screen, it indicates success.

③ Press the FN key once. If "▣" appears in the top right corner of the screen, it indicates success.

④ Long-press the SHIFT key.

Package Contents

- Device×1
- Battery×1
- Power Adapter×1
- USB Cable×1
- Wearable strap×1
- Quick Start Guide×1

Battery Installing

Installation and removal the battery in the direction as show

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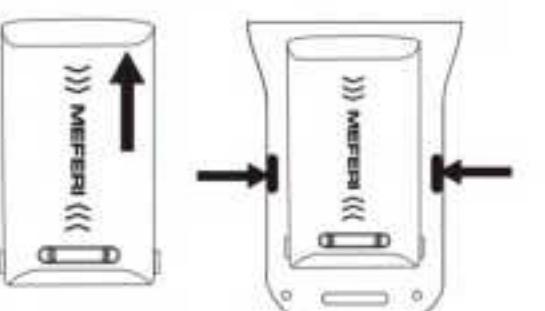
TF Card Installation Method

Gently press TF card into the tray to secure it. Follow the prompt to insert TF card into Memory card slot(as shown).Press to the right to remove it.

SIM(only available on the 5G version)
<SIM
TF>
TF slot
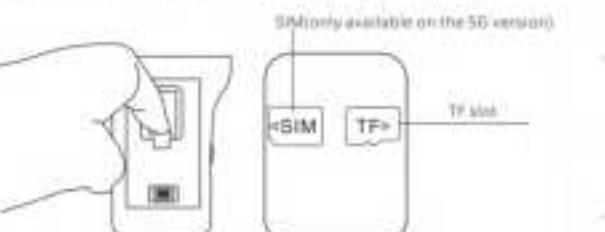
NOTE: Overexertion should be avoid when installing or removing the TF

Instructions for Charging

Connect the USB-A port to the adapter, and the other end to the device.

Input: 100-240V~50/60Hz 0.6A
Output: 9.0V⎓2.0A
5.0V⎓3.0A

Power Adapter

USB Cable

Power Options

- Power on: Press and hold the power button until you see a splash on the device.
- Power off: Press and hold the power button until the pop-up reminder appears and then click "Power off".
- Forced restart: Press and hold the power button for 10 seconds.
- Fast start: The battery can be replaced within 5 minutes when the power is on, and it can be activated immediately after pressing the power button.

Indicator

Battery	▮	Full power
	▮	Medium power
	▯	Low power
Network Signal	◢	Good signal(only available on the 5G version)
	◢	Unstable signal (only available on the 5G version)
	NONE	SIM card not installed (only available on the 5G version)
	◢	No service(only available on the 5G version)
WiFi	▼	WiFi connected
	NONE	WiFi switched off

Precautions

1. Read all information in this guide before using the device to ensure safe and proper operation.
2. Please use the accessories that have been approved by MEFERI and corresponds to this model. Use of any power source, charger, battery, etc. that has not been approved by MEFERI may cause a fire, explosion, or other hazards.
3. Please use device and accessories within the specified temperature range. Equipment failure may occur when the ambient temperature is too high or too low.
4. If the battery is not detachable, please don't replace the battery by yourself in case of any damage to the battery or the device. The battery shall be replaced by authorized service centers only.
5. Do not disassemble the product and its accessories. If the device or any of its components are not working properly, please contact and consult our after-sales service center, or send the device to our after-sales service outlets for testing and servicing.
6. If the battery shows abnormal signs of peculiar smell, overheat, color change, distortion or leakage, remove the battery from the charger or the device immediately and stop using it.
7. The battery is made from a flammable and explosive material. Do not disassemble, squeeze, drop and make any other destructive operations on the battery. Do not place the battery in high temperature.
8. Disposal of used batteries is subject to local relevant documents or policies regarding disposal of used batteries.

Warranty Policy

Warranty terms

1. Under normal circumstances, the warranty period of the device is 12 months, 3 months for accessories, subject to the sales agreement.
2. During the product warranty period, under the normal use conditions (determined by our technical staff), the user will be entitled to a free warranty for damaged or faulty warranty parts.
3. During the warranty period, faults caused by repair, disassembly or modification of the product by a personnel other than our company, improper installation, improper use by the user (failure to follow instructions), serial number damage, accident or natural disaster, will not be covered under the warranty.
4. The warranty will expire immediately if any alterations are made to the warranty card.
5. Please show the equipment SN and purchase certificate for repair. The company reserves the right to interpret the above contents.
6. If you have trouble using the device, please e-mail to meferi@meferi.com

FCC Statement

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

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

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.

SAR Information Statement

Your MOBILE COMPUTER is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. 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 and health.

The exposure standard for MOBILE COMPUTER employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the MOBILE COMPUTER transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the MOBILE COMPUTER while operating can be well below the maximum value. This is because the MOBILE COMPUTER is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a MOBILE COMPUTER model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this MOBILE COMPUTER when tested for use at the head is 0.58 W/Kg and when worn on the body, as described in this user guide, is 0.77 W/Kg (Body-worn measurements differ among MOBILE COMPUTER models, depending upon available accessories and FCC requirements). The maximum scaled SAR in hotspot mode is 0.78 W/Kg. While there may be differences between the SAR levels of various MOBILE COMPUTER and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this MOBILE COMPUTER with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this MOBILE COMPUTER is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/ oet/fccid after searching on FCC ID: 2A9LJ-ME74 Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at http://www.wow-com.com. * In the United States and Canada, the SAR limit for MOBILE COMPUTER used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
The SAR test distance is 10mm.

CE Statement

Herby, MEFERI TECHNOLOGIES CO., LTD declares that this MOBILE COMPUTER, ME74 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. In accordance with Article 10(2) and Article 10(10), this product allowed to be used in all EU member states.
Use the MOBILE COMPUTER in the environment with the temperature between -30℃ and 35℃,
Use careful with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss. ⚠
This device will not be marketed or sold on the French market due to non-compliance with the latest SAR requirements.
Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions.
The product shall only be connected to a USB interface of version USB-C
SAR: The device complies with RF specifications when the device used at 5mm from your body. The highest SAR value for this device when tested for use at the head is 0.74W/Kg and when worn on the body is 0.94 W/Kg.
Adapter shall be installed near the equipment and shall be easily accessible.
The plug considered as disconnect device of adapter
Adapter Model:
HJ-FC001K7-EU
Input: AC 100-240V, 50/60Hz, 0.6A
Output: DC 5.0V, 3.0A/ DC 9.0V, 2.0A/ DC 12.0V, 1.5A, 18.0W
5150-5250MHz is resticted to indoor use only.

Operation Frequency:
For BT/BLE: 2402MHz~2480MHz
For 2.4G WIFI:
2412MHz~2472MHz
(802.11b/802.11g/802.11n(HT20)/802.11ax(HE20))
2422MHz~2462MHz
(802.11n(HT40)/802.11ax(HE40))
For 5G WIFI:
5150MHz~5250MHz, 5725MHz~5875MHz
For WIFI 6E: 5945MHz~6425MHz
For GNSS:
GPS: 1.57542GHz, 1.17645 GHz
BDS: 1.561098GHz
Galileo: 1.561098 GHz, 1.17645 GHz
GLONASS: 1.602GHz
SBAS: 1.57542GHz, 1.17645 GHz
For NFC: 13.56MHz
For GSM:
E-GSM 900/GPRS 900/EGPRS 900:
TX: 880MHz~915MHz; RX: 925MHz~960MHz
GSM 1800/GPRS 1800/EGPRS 1800:
TX: 1710MHz~1785MHz; RX: 1805MHz~1880MHz
For WCDMA:
UTRA Band I: TX:1920MHz~1980MHz;
         RX: 2110MHz~2170MHz
UTRA Band VIII: TX: 880MHz~915MHz;
            RX: 925MHz~960MHz
For LTE:
LTE Band 1: (UL)1920MHz~1980MHz,
(DL)2110MHz~2170MHz
LTE Band 3: (UL)1710MHz~1785MHz,
(DL)1805MHz~1880MHz
LTE Band 7: (UL)2500MHz~2570MHz,
(DL)2620MHz~2690MHz
LTE Band 8: (UL)880MHz~915MHz,
(DL)925MHz~960MHz
LTE Band 20: (UL)832MHz~862MHz,
         (DL)791MHz~821MHz
LTE Band 28: (UL)703MHz~748MHz,
         (DL)758MHz~803MHz
LTE Band 34: (UL) 2010MHz~2025MHz
(DL) 2010MHz~2025MHz
LTE Band 38: (UL)2570MHz~2620MHz,
(DL)2570MHz~2620MHz
LTE Band 40: (UL)2300MHz~2400MHz,
(DL)2300MHz~2400MHz
LTE Band 42: (UL)3400MHz~3600MHz,
(DL)3400MHz~3600MHz
LTE Band 43: (UL)3600MHz~3800MHz,
(DL)3600MHz~3800MHz
For 5G NR:
NR n1: (UL)1920MHz~1980MHz, (DL)2110MHz~2170MHz
NR n3: (UL)1710MHz~1785MHz, (DL)1805MHz~1880MHz
NR n7: (UL) 2500MHz~2570MHz, (DL) 2620MHz~2690MHz
NR n8: (UL)880MHz~915MHz, (DL)925MHz~960MHz
NR n20: (UL)832MHz~862MHz,
(DL)791MHz~821MHz
NR n28: (UL)703MHz~748MHz,
(DL)758MHz~803MHz
NR n38: (UL)2570MHz~2620MHz,
(DL)2570MHz~2620MHz
NR n40: (UL)2300MHz~2400MHz,
(DL)2300MHz~2400MHz
NR n41: (UL)2496MHz~2690MHz, (DL) 2496MHz~2690MHz
NR n77: (UL)3300MHz~4200MHz,
(DL)3300MHz~4200MHz
NR n78: (UL)3300MHz~3800MHz,
(DL)3300MHz~3800MHz
NSA:
EN-DC: 1-n77, 1-n78
HPUE:
n41, n77, n78

Max Output Power:
BT: 0.0063W
BLE: 0.0065W
2.4G WIFI: 0.0738W
5G WIFI: 0.0605W
For WIFI 6E:0.0342W
E-GSM 900: 2.037W
GSM 1800: 1.122W
WCDMA Band I: 0.1897W
WCDMA Band VIII: 0.1977W
LTE band 1: 0.1531W LTE band 3: 0.1758W
LTE band 7: 0.1413W LTE band 8: 0.1841W
LTE band 20: 0.1901W LTE band 28: 0.191W
LTE band 34: 0.1706W LTE band 38: 0.1503W
LTE band 40: 0.1549W LTE band 42: 0.1972W
LTE band 43: 0.1991W
For 5G NR:
NR n1: 0.1656W NR n3: 0.1419W
NR n7: 0.1256W NR n8: 0.1469W
NR n20: 0.1517W NR n28: 0.1552W
NR n38: 0.1778W NR n40: 0.1656W
NR n41: 0.2944W NR n77: 0.3069W
NR n78: 0.2917W

Manufacturer： MEFERI TECHNOLOGIES CO., LTD
Address： 4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech Zone, Chengdu, China
E-mail: 402859612@qq.com

DECLARATION OF CONFORMITY

I hereby declare that the product

Product:
Product Name: MOBILE COMPUTER
Model: ME74
Brand Name: MEFERI
Hardware Version: V1.0
Software Version: ME74_000005_240514

Accessories:

Battery Information：
Model: BATME74
Specification: 3.8V, 5200mAh 19.76Wh
Manufacturer: DONGGUAN BOB ELECTRONICS CO.,LTD

Adapter Information:
Model: HUYC00167.EU
Input: AC 100-240V, 50/60Hz, 0.8A
Output: DC 5.0V, 3.0A/DC 9.0V, 2.0A/DC 12.0V, 1.5A, 18.0W
Manufacturer: Shenzhen Huajie Electronics Co., Ltd

USB Information:
Model: DBL-SIN-125-000.00
Length: 1.2m
Manufacturer: VAO ELECTRONICS CO.,LTD

(Name of product, type or model, batch or serial number)

satisfies all the technical regulations applicable to the product within the scope of Council Directives 2014/53/EU, 2011/65/EU and 2014/30/EU and declare that the same application has not been lodged with any other notified body.

EN IEC 62368-1:2020+A11:2020
EN 50566:2017+A1:2023
EN 50663:2017
EN IEC/IEEE 62209-1528:2021
EN 50360:2017+A1:2023
EN 62479:2010
EN IEC 62311:2020
ETSI EN 301 489-52 V1.2.1 (2021-11)
ETSI EN 301 489-19 V3.2.1 (2022-09)
ETSI EN 301 489-17 V3.2.4 (2020-09)
ETSI EN 301 489-3 V2.3.2 (2023-01)
ETSI EN 301 489-1 V2.2.3 (2019-11)
EN 55032:2015+A11:2020+A1:2020
EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021
ETSI EN 300 328 V2.2.2 (2019-07)
ETSI EN 301 893 V2.1.1 (2017-05)
ETSI EN 300 440 V2.2.1 (2019-07)
ETSI EN 303 413 V1.2.1 (2021-04)
ETSI EN 300 330 V2.1.1 (2017-02)

ETSI EN 301 511 V13.0.1 (2017-02)
ETSI EN 301 908-1 V15.2.1 (2023-01)
ETSI EN 301 908-2 V13.1.1 (2020-06)
ETSI EN 301 908-13 V13.2.1 (2022-02)
Draft ETSI EN 301 908-20 V15.0.0 (2024-07)
ETSI EN 303 687 V1.1.1
ETSI TS 138 521-3 V17.11.0 (2024-01)
ETSI TS 138 521-1 V17.11.0 (2024-01)
(Title of regulations, standards, list...)

All essential radio test suites have been carried out.

NOTIFIED BODY: MiCOM Labs Inc

- Address
575 Boulder Court
Pleasanton, California 94566
USA
Identification Number: 2280

MANUFACTURER or AUTHORISED REPRESENTATIVE:

- Address
MEFERI TECHNOLOGIES CO., LTD
4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech Zone, Chengdu, China

This declaration is issued under the sole responsibility of the manufacturer and, if applicable, his authorised representative.

Point of contact:
Qianxi Shu, 07008520070174A4
(Name, telephone and fax number)

_____   _____
2024-10-12   (Signature)
(Place, date of issue)

Qianxi Shu, manager
(Name and title in block letters)