



Index

1	BASIC INFORMATION	2
1.1	INTRODUCTION	2
1.2	PRODUCT FEATURE	3
1.3	SAFETY PRECAUTIONS.....	4
1.3.1	<i>Safy warning and attentinon.....</i>	<i>4</i>
1.3.2	<i>Cleaning and Maintanance.....</i>	<i>5</i>
2	BEFORE USING THE GAMEPAD	6
2.1	OVERVIEW	6
2.1.1	<i>Technical Parameters.....</i>	<i>6</i>
2.1.2	<i>Appearance Description.....</i>	<i>7</i>
2.1.3	<i>Detach and Installation of iPhone.....</i>	<i>8</i>
2.1.4	<i>Charging your Gamepad.....</i>	<i>10</i>
3	QUICK GUIDE.....	11
	OPERATIONS.....	11

4	TROUBLESHOOTING	12
5	APPENDIX I.....	14
6	APPENDIX II.....	14
1		

1 Basic Information

1.1 Introduction

For the full touch screen operation design, Apple iPhones has difficulties to obtain the similar operating feeling like the play station control, though they have rich game resources and support gravity sensing. But do not worry, it is possible for iphone to surpass the PSP in operation with their good extended performance. In this case, we specially designed a multi-functional gamepad for iPhone. Embed the iPhone in the gamepad will help you get a wonderful handle feeling and shocked sound effect.

Thanks for choosing iPhone Gamepad IX-M20 , it is a new designed gamepad for iPhone with multi-functions and built-in 2000MAH li-ion battery. With application of the most advanced electronic boost technology components, high fidelity amplifier and quality accessories; the IX-M20 has a reliable performance. Special silicon rubber decoration makes it comfortable to handle and easy to carry. In addition, when playing iPhone games (with game controller films Tactile + Plus will have a wonderful experience of palying), built-in charging and external charging are all available. And there is a bracket in the back; you can

adjust it to make the gamepad in the right angle to enjoy the video.

After reading this user's guide, you will have a comprehensive understanding on this excellent gamepad IX-M20. Besides, in the back of IX-M20, there is a universal car holder port, and a universal USB port for external charging. No matter where you are, you can charge the mobile phone, MP3, MP4, PDA, digital camera in different models.

1.2 Product Feature

- Gripping the iPhone to enhance the operation, the perfect props for playing racing cars, first person shooting, APRG and flight simulation games, etc.
- Improve the accelerator-based gaming experience.
- Easy to Carry : Meet the aesthetic and ergonomic design, fashionable and simple figure.
- Compatible with iPhone 4G
- Switching for power capacity detection
- Power bank for iPhone charging
Capacity 2000mA, Charging at 5V/1A
- Charge other device via USB port ,output power: 5v/1A
- 1.5W +1.5 W speaker for music play and game
- Line out to Aux line in on the car
- Bracket with adjustable angle for movie playing.

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- Support holder on car and bicycle mounting.

Power capacity Detection :

Slide the switch ,three green lights appeared on the lower right corner shows the remaining power(Low power or the internal voltage is under 2.8V, the LED light has no indication when sliding the switch).

Charging Indication:

When charging, the four LED lights on the lower right corner be lightened from bottom to top (the bottom LED in red color); when completing the charging, the four LED lights are all lightened (The bottom red LED is off).

1.3 Safety Precautions

Before using the gamepad IX-M20, please make sure to read the following safety precautions so that you can operate it correctly.

1.3.1 Safty warning and attentinon

- Please do not disassemble or modify the gamepad, otherwise it will result in personal inquiry and damadge of the gamepad.
- Please avoide any liquid or moisture enter into IX-M20 that will lead to short circuit, creepag or some other trouble.

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- To avoid any fault or fire, please do not crash, shake or throw the gamepad violently.
 - Any abnormal temperature rise or deformation during using, charging or stocking, please stop using it and sending it to the local vendor for repairing.
 - Please do not throw the scrapped gamepad into general garbage can. Put it into the place that clearly defined how to deal with the used battery.

1.3.2 Cleaning and Maintenance

- Please avoid using or charging gamepad under the high humidity place, like bath room. As well as avoid the rain.
- Use the soft cloth to clean the IX-M20.
- Please do not wipe the gamepad by alcohol, thinner, benzene or other chemical reagents.
- Dirty plug will cause bad connection, power fail, and then can not charge. Please clean the power amplifier periodically.

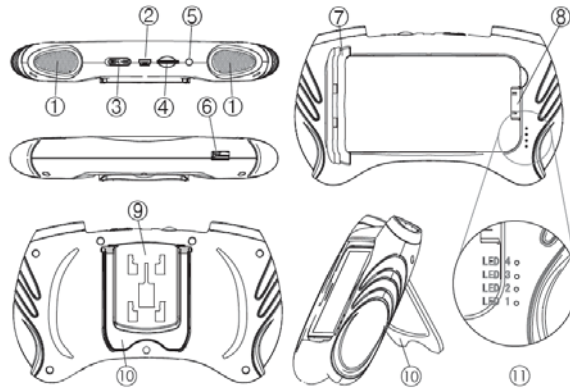
2 Before using the Gamepad

2.1 Overview

2.1.1 Technical Parameters

Model No.:	IX-M20
Measurement:	224.5*128.0*54.5mm
N.W.:	155g
Battery:	Polymer lithium battery
Capacity:	2000 mAH
Input:	5.2V DC, 500mA
Output:	5.2V DC, 2.1A (MAX)
Cycles:	> 500 times
Operation temperature:	-10°C—40°C
Transportation temperature:	-20°C—50°C
Charging time:	3-6hours
Charging cable:	USB cable
Car holder:	Universal connecting port (optional)

2.1.2 Appearance Description



- ① speaker
- ② miniUSB 5Pin input charging port
- ③ Function switch
- ④ Volume control
- ⑤ $\varnothing 3.5\text{mm}$ audio output port
- ⑥ USB 5Pin output charging port
- ⑦ Cover used to fix the iphone
- ⑧ iPhone 30pin connector
- ⑨ Car holder connector
- ⑩ Bracket

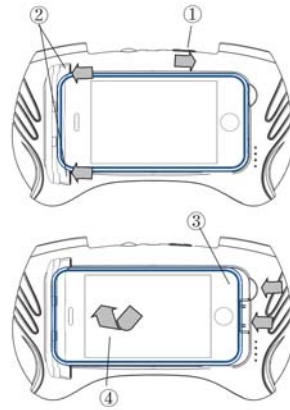
⑩ Light indicator area

2.1.3 Detach and Installation of iPhone

- According to the following steps to detach:
 - ① Slide the function switch to right side to make the gamepad power off.
 - ② **2.Pull** the the cover (Please refer to the picture) slightly to left, and then open it up.
 - ③ Push the phone to the left side to seprate it from the 30pin connector.
 - ④ Detach the phone from the gamepad.

3.Warning :

The gamepad must be powered off before detach or install the iphone. It is forbidden to remove (or install) the iphone when the gamepad is power on or external power exists. Otherwise, it may damage the circuit of gamepad and the phone.



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- According to the following steps to install the iPhone :
 - ① Slide the function switch to right side to make the gamepad power off.
 - ② Pull the cover slightly to left, and then open it up.
 - ③ Align the iPhone port and the gamepad male jack, connect the iPhone to IX-M20 male connector, and push it into the very position.
 - ④ Close the cover for fixing.

2.1.4 Charging your Gamepad



- Connector USB cable with the charging mini 5pin port on IX-M20.
- Put the other end into the computer USB port (or the USB port of wall charger).
- Then, the red light on and other lights will flash, the gamepad is charging.
- It needs about 2.5 hours to charge. When completing, all lights are on steady. It is normal that the gamepad and charger become a slightly hot while charging.
- Disconnect the AC adapter after finishing charging.

Attention :

- Please put the IX-M20 in ventilated place with the temperature of $-10^{\circ}\text{C} \sim +45^{\circ}\text{C}$ while charging. And make sure to use the charger that offered by the vendor. Use the unauthorized charger may cause danger, and violate the

warranty terms.

- Charge the battery in time when the gamepad power off automatically or it has the low power warning. And the gamepad will reduce the charging time itself when the battery has not run out.

3 Quick Guide

Operations

Functions	Operation	Description
Power off	Slide the switch to the right side	Power off
Active the Speaker	Slide the switch to the centre	Power amplifier mode,
Volume control	Roll the potentiometer	To left: decrease the volume, to right :increase the volume
Charging the phone	Slide the switch to the left side	Maintain the function of PA, enter into the boost state of charging.
Output power to charge other device	Conect the USB cable to out put port and slide the switch to the left	Maintain the function of PA, enter the boost state of external charging.

Charging indication	When charging	Please refer to the appendix I
Power detection	Slide the switch	Please refer to the appendix II
bracket	Open it up	When enjoy the videos, put the gamepad on the desk, open the bracket in back and adjust it to the right angel.
Car holder (optional)	Install the car holder to the back of the gamepad	Used while enjoy the multimedia or GPS navegation on the car.

4 Troubleshooting

Any abnormal condition of the gamepad when using, please

refer to the table below:

FAQ	Cause	Solutions
Power on disabled	Damage of the battery or charger.	Detect the power capacity or charge the gamepad.
Can not out put power to iphone	Charging when the temperture is under -10°C or above 45°C	Change the environment
	Bad connection	Change the USB cable or the charger. Examine the plug connection
External charging disabled	Charging when the temperture is under -10°C or above 45°C	Change the charging environment.
	Bad connection	Change the USB cable Examine the plug connection
	The damage of USB cable or gamepad.	Detect the power capacity or check the USB cable.
Speaker disabled or noise exists	Bad connection between the socket of iPhone and the plug of gamepad.	Shutdown the gamepad and reinstall the phone.
	Damage of the phone or gamepad.	Examine the gamepad or the phone.

Note: * Don't charg iphone or other device when charging the gamepad

** Don't chage other device when charging iphone with gamepad

5 Appendix I

LED Indication when Charging

Electric Quantity of Battery	Voltage of Battery	LED1	LED2	LED3	LED4
25%	3.0-3.7 V	flash	off	off	off
50%	3.7-3.8V	on	flash	off	off
75%	3.8-4.0V	on	on	flash	off
100%	4.0-4.15V	on	on	flash	flash
Full charged	≥4.15V	on	on	on	on

Remark: the switch is disabled when charging.

6 Appendix II

LED indication of examining the battery electric quantity:

Electric Quantity of Battery	Voltage of Battery	LED1	LED2	LED3	LED4
5%	3.0-3.3V	Flash	off	off	Off
25%	3.0-3.7 V	On	Off	Off	off
50%	3.7-3.8V	on	On	off	Off
75%	3.8-4.0V	On	on	on	Off

100%	4.0-4.15V	on	On	On	on
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Remark: The led will turn off after 2~5 seconds when you switch for poeer capacity detection.

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