



MicroTouch MP-000-AA2 Android Media Player User Manual

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MicroTouch

MicroTouch MP-000-AA2 Android Media Player



Overview

The versatility, reliability, and performance of MP-000-AA2 makes it an exceptional choice for applications in all business sectors.

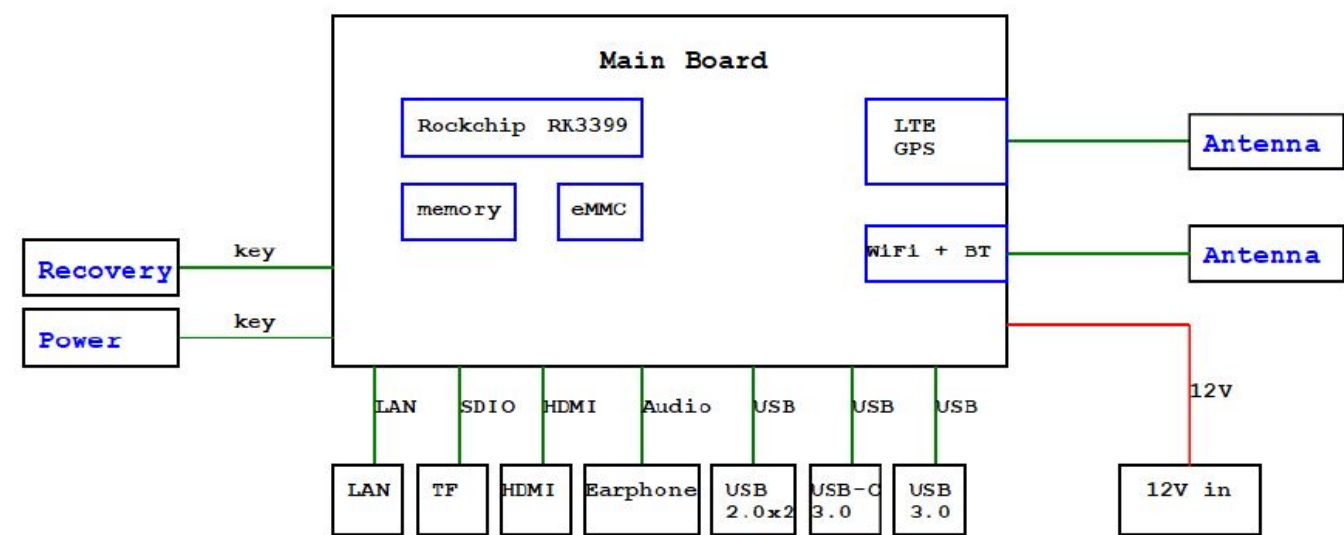
Feature

- Support Rockchip RK3399 processor.
- USB Type C with DP ALT Mode Support.
- Ideal for Signage and Interactive Media Solutions.

Specifications

System	
CPU	Rockchip RK3399, Dual-core Cortex-A72 up to 1.8GHz, Quad-core Cortex-A53 up to 1.4GHz
GPU	Mail-T860 MP4
Memory	4GB dual channel LPDDR4
Storage	32GB eMMC
Input Power	DC in 12V/3A 2PIN
Network	Gigabit Ethernet
	Wi-Fi 802.11a/b/g/n/ac Bluetooth 4.0 (Support BLE)
External IO Ports	1 x TF slot (Support SDHC 2.0) 1 x Micro SIM 1 x LAN (Support 10/100/1000Mbps) 1 x HDMI (Main display, Support 4K@60Hz) 1 x Earphone 2 x USB2.0 Type-A 1 x USB3.0 Type-A 1 x USB3.0 Type-C OTG (Support DP1.2, 5V/1A) 1 x GPIO
OS version	Android 9.0 or later AOSP only
Operation temp.	0~40°C
Storage temp.	-20°C to 60°C
Operation humidity	20~80%
Storage humidity	10~90%

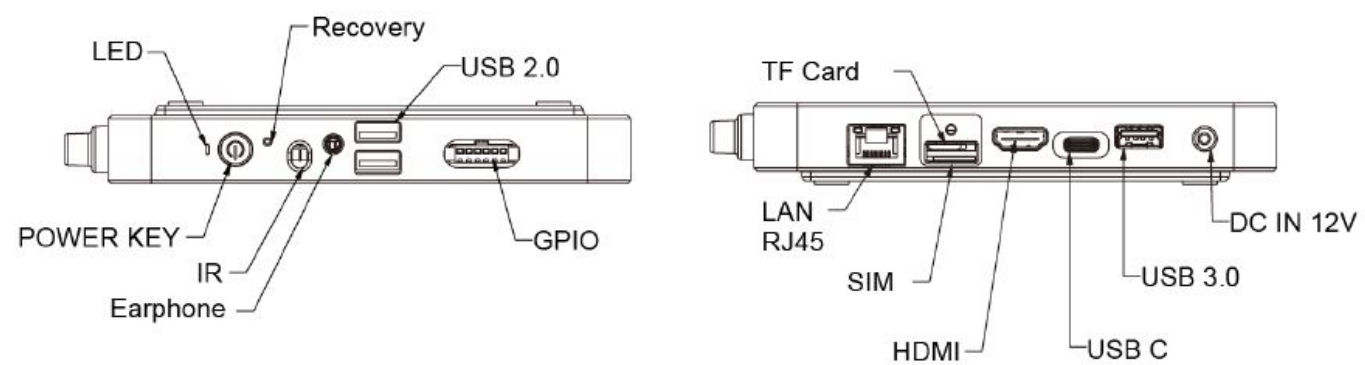
Block Diagram



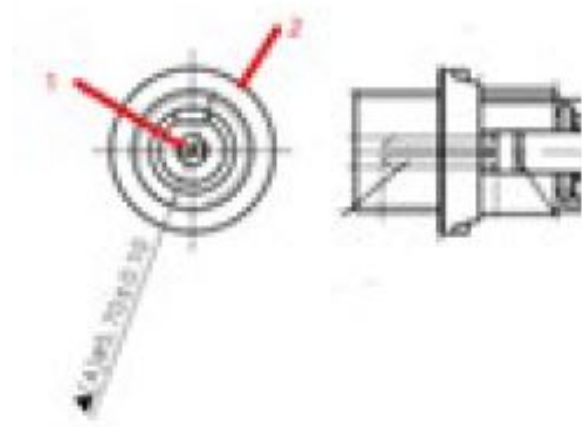
User Controls and Indicators

Function	Description
Power on	Press the power button 3~5 sec
Sleep	Press the power button to enter sleep mode, and press again to resume from sleep
Power off	Press the power button 2 sec and click power off.

Interface Connectors

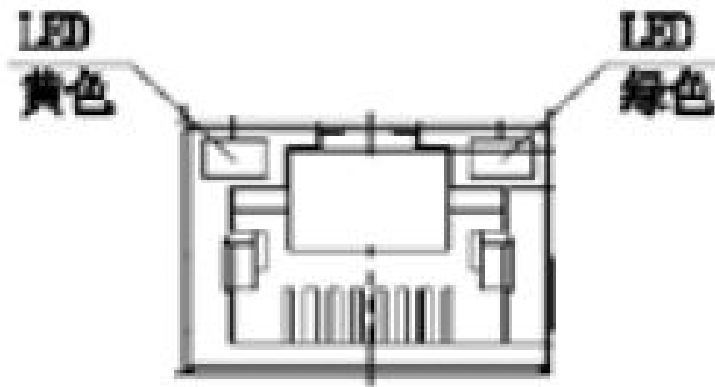


12V DC in



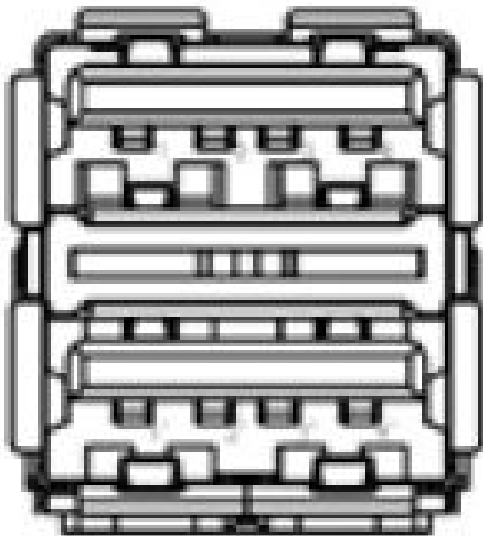
Pin #	Signal Name	Pin #	Signal Name
1	12V	2	GND

RJ45 for LAN



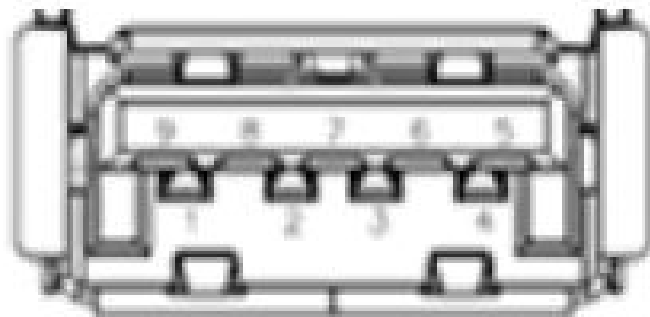
RJ45 for LAN	Pin #	Signal Name	Pin #	Signal Name
	1	TP1+	2	TP1-
	3	TP2+	4	TP3-
	5	TP3+	6	TP2-
	7	TP4+	8	TP4-
	LED	Function	Color	
	Left	Active	Yellow (Blink)	
	Right	10M/100M/1000M	Green	

USB2.0 Dual x 2



Pin #	Signal Name	Pin #	Signal Name
1	USB5V	2	D-
3	D+	4	GND

USB3.0

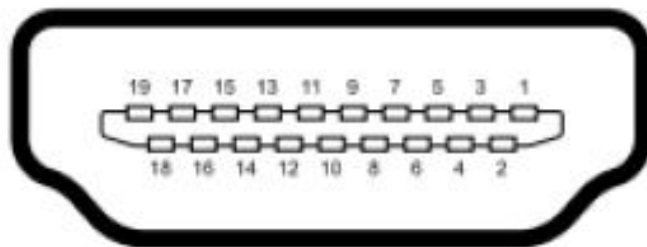


Pin #	Signal Name	Pin #	Signal Name
1	USB5V	2	D-
3	D+	4	GND
5	SSRX-	6	SSRX+
7	GND_DRAIN	8	SSTX-
9	SSTX+		

USB-C

USB-C	Pin #	Signal Name	Pin #	Signal Name
	A1	GND	B12	GND
	A2	SSTXp1	B11	SSRXp1
	A3	SSTXn1	B10	SSRXn1
	A4	VBUS	B9	VBUS
	A5	CC1	B8	SBU2
	A6	Dp1	B7	Dn2
	A7	Dn1	B6	Dp2
	A8	SBU1	B5	CC2
	A9	VBUS	B4	VBUS
	A10	SSRXn2	B3	SSTXn2
	A11	SSRXp2	B2	SSTXp2
	A12	GND	B1	GND

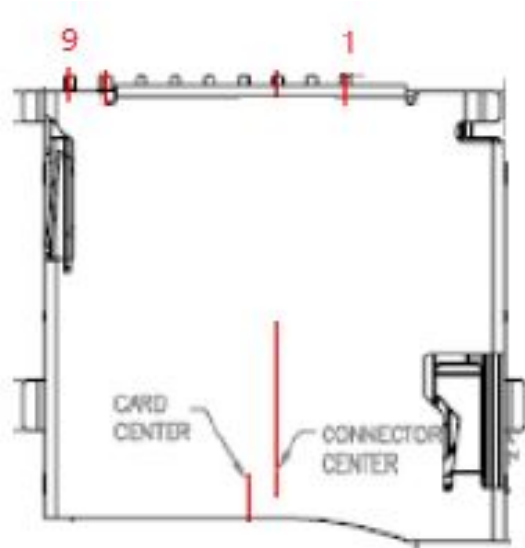
HDMI



Pin #	Signal Name	Pin #	Signal Name
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC(N.C on device)	14	Reserved(N.C. on device)

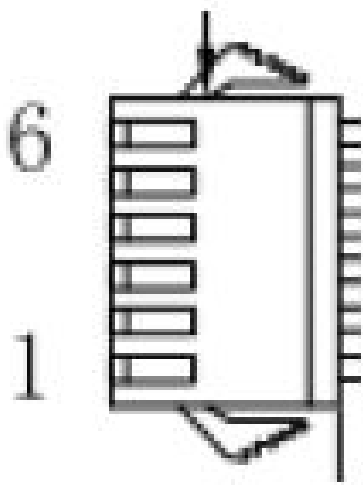
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

TF card



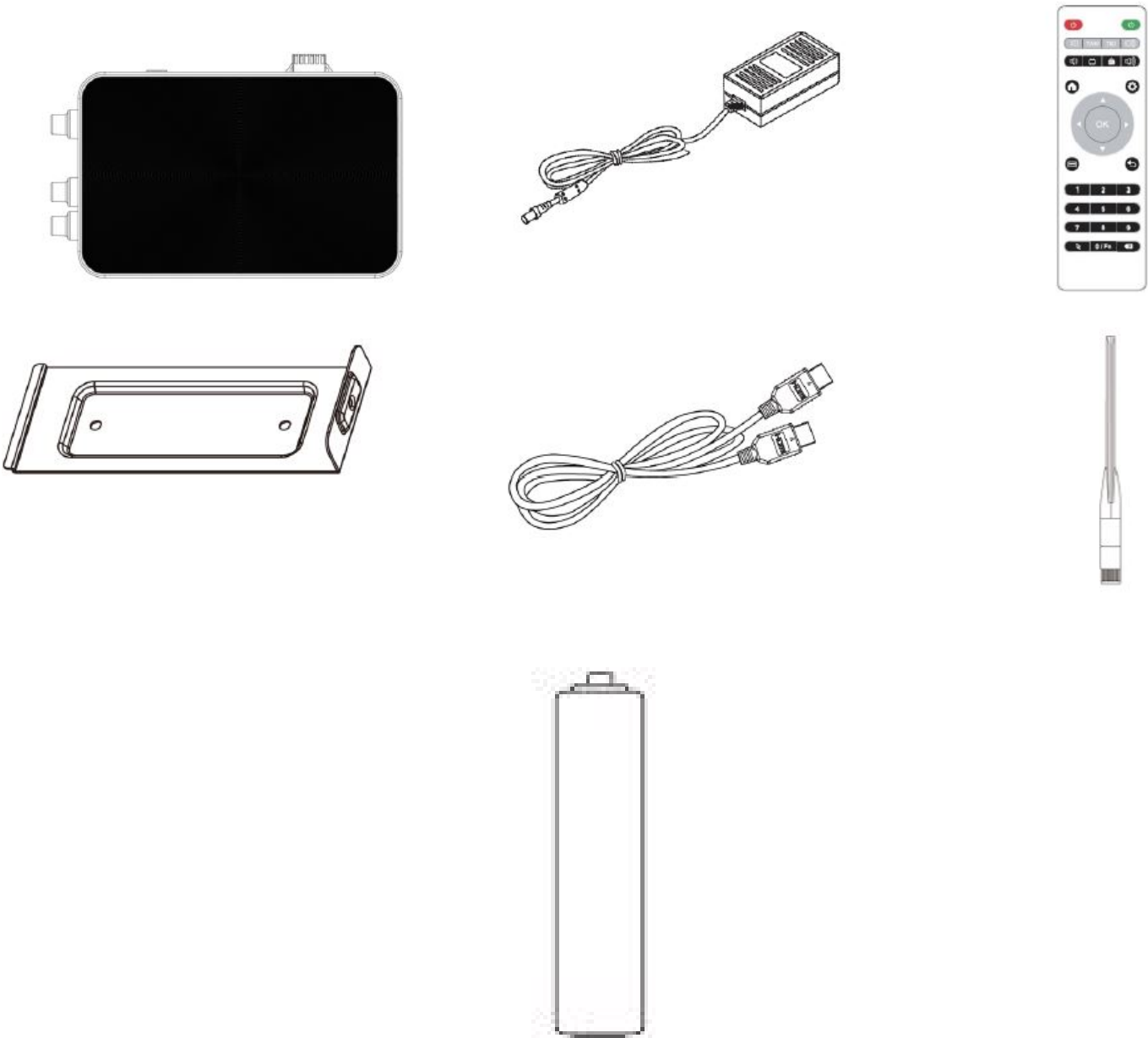
Pin #	Signal Name	Pin #	Signal Name
1	DAT2	2	DAT3
3	CMD	4	VCC
5	CLK	6	GND
7	DAT0	8	DAT1
9	CD		

GPIO



Pin #	Signal Name	Pin #	Signal Name
1	GND	2	3.3V
3	G2_B1	4	G2_B2
5	G2_B3	6	G2_B4

Package Overview



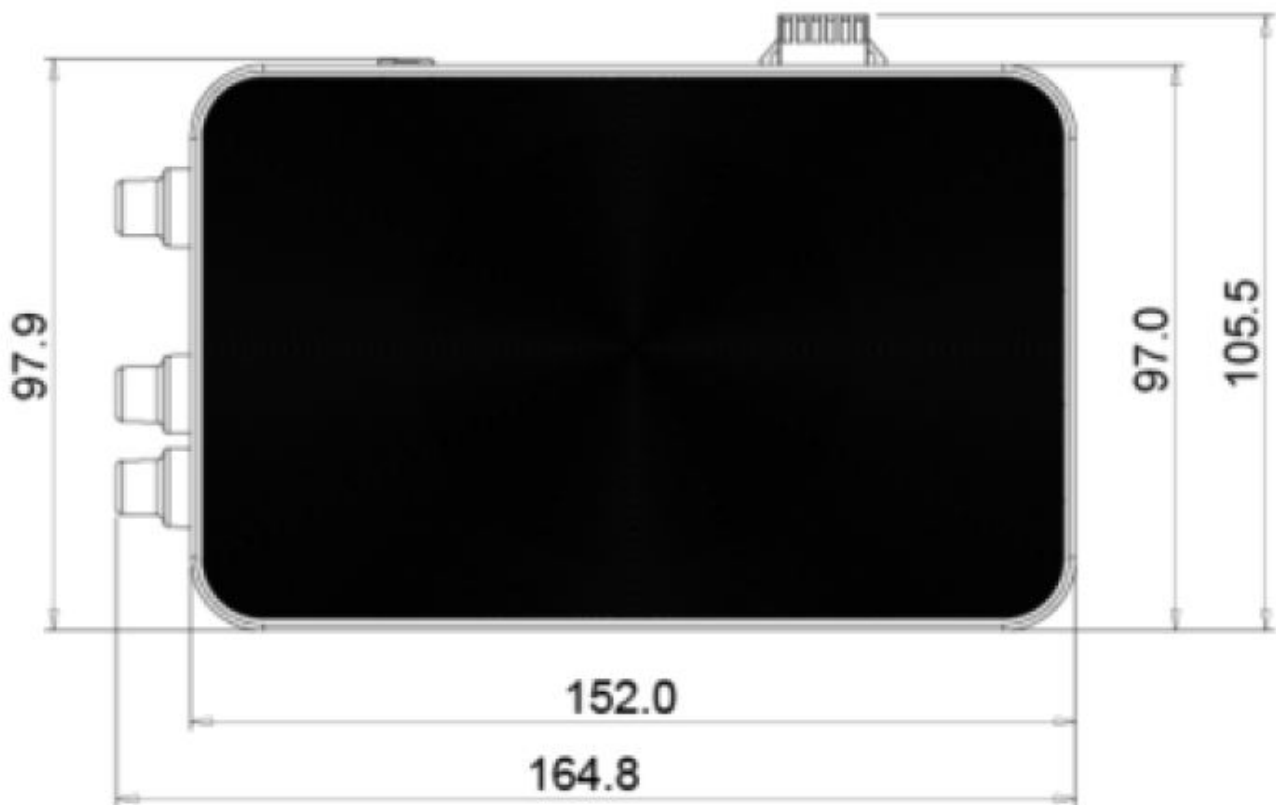
2. DC Power Supply
3. IR Remote key
4. Wall Mount
5. HDMI Cable
6. Antenna
7. Battery x 2

Warning!

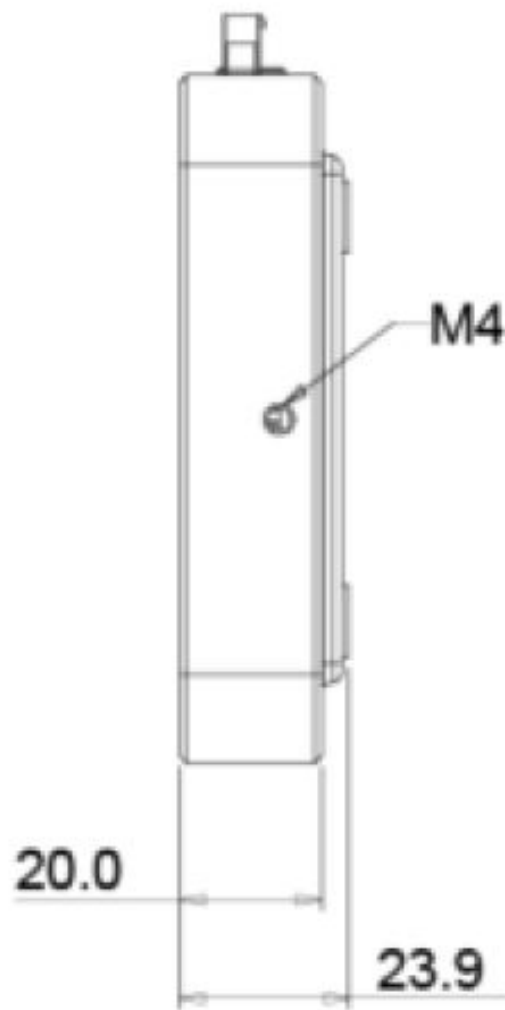
This product is intended to be supplied by a UL Listed Power Adapter, rated 12V dc, 2A maximum. (complied with LPS or PS2) Tma = 40 degree C minimum, and the altitude of operation = 3048m minimum. If it needs further assistance with purchasing the power source, please contact to MicroTouch for further information.

Dimension

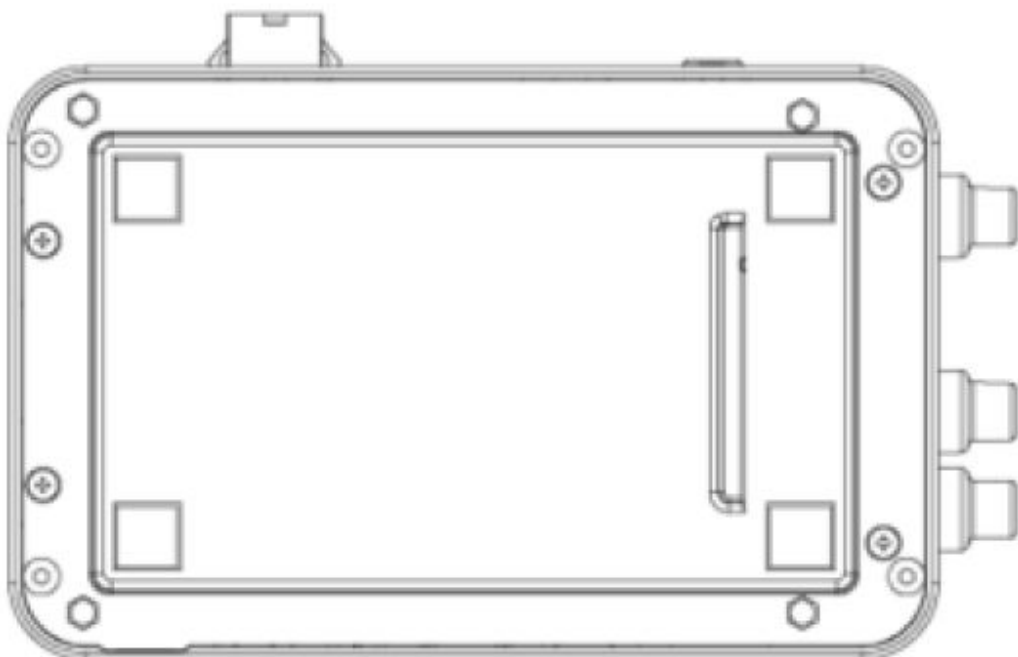
Front View



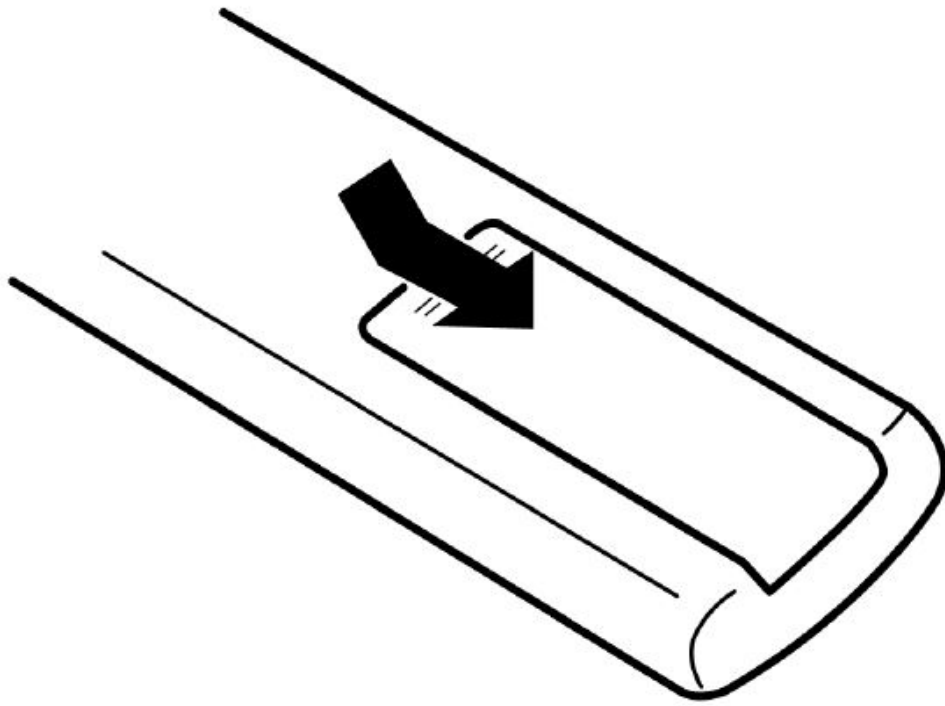
Side View



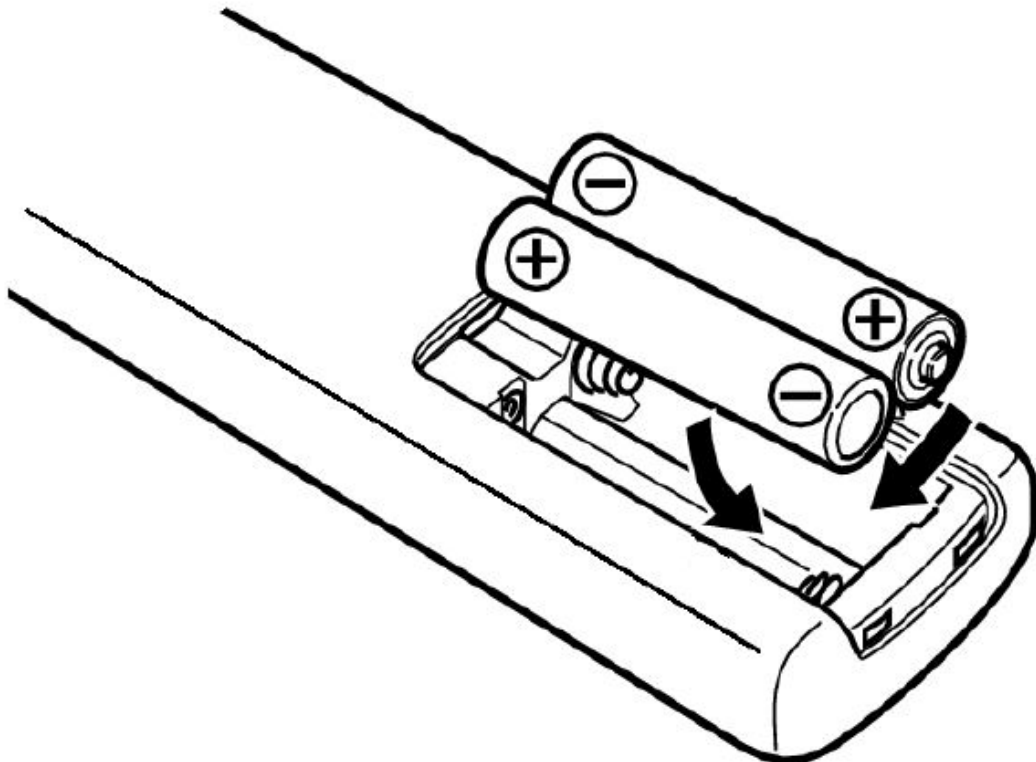
Rear View



Battery installation for Remote key



1. Lift and remove the back cover in the direction shown by the arrow.



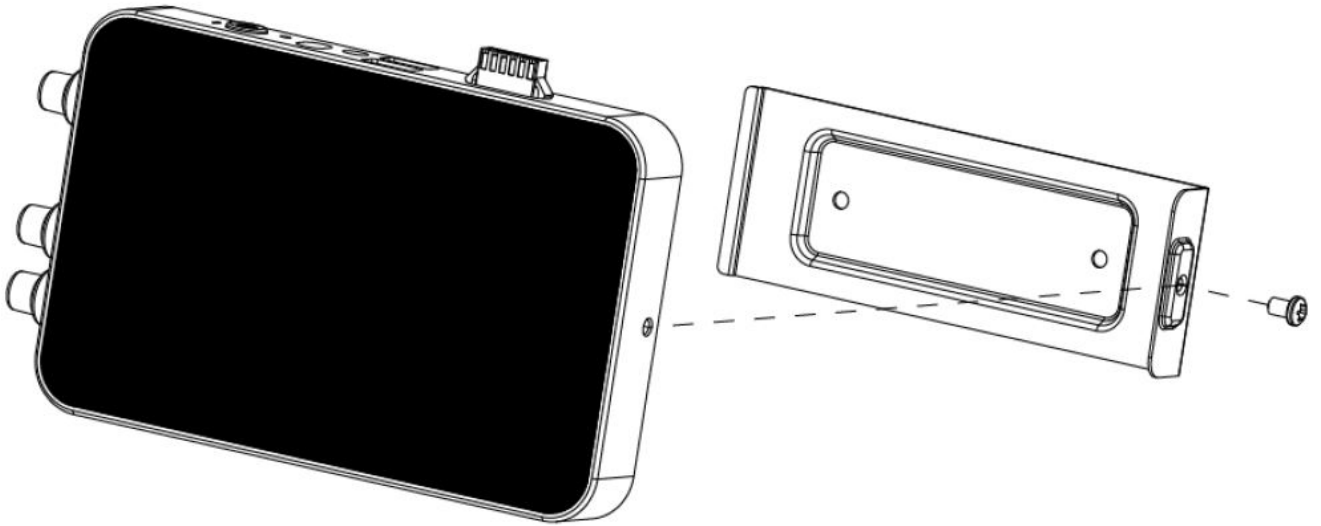
2. Insert the two batteries after removing the battery cover.

Side Mount for Your Monitor

This media player can be mounted to the wall with the first bracket and screw system. *Ensure the bracket is fastened to a secured and supported structure. Wall mount is included in MP-000-AA2 packaging | MP-BRKT-A1

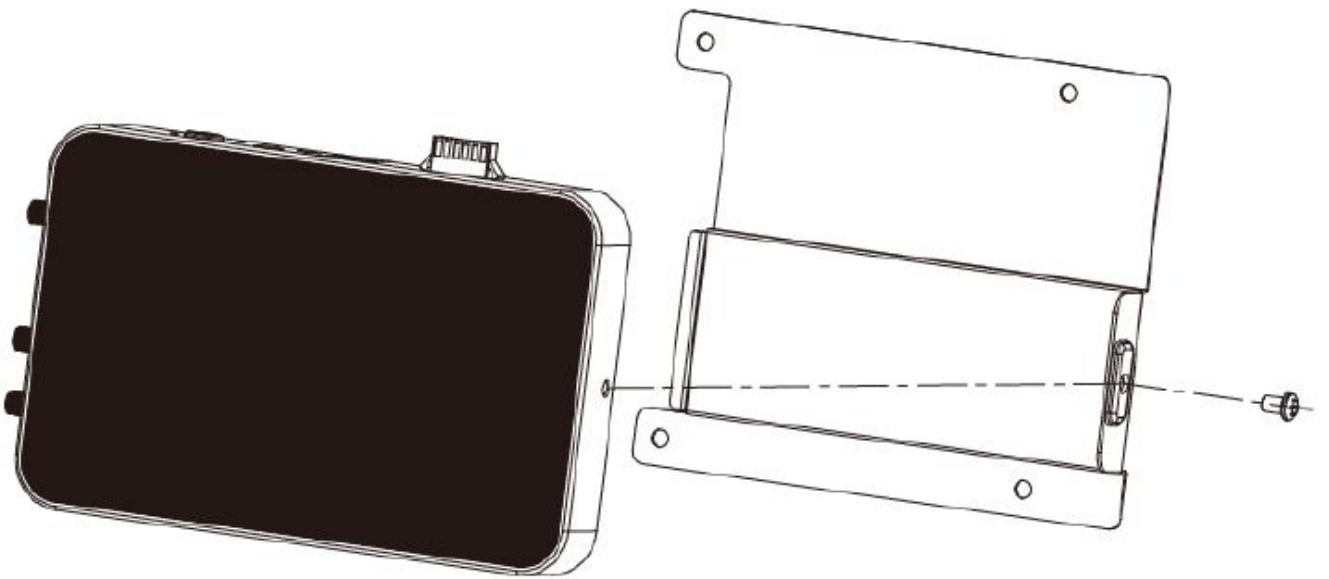
Step1: Secure the bracket on the wooden or concrete wall.

Step2: Assembly MP-000-AA2 into the wall hole and insert the screw(M4*6mm).



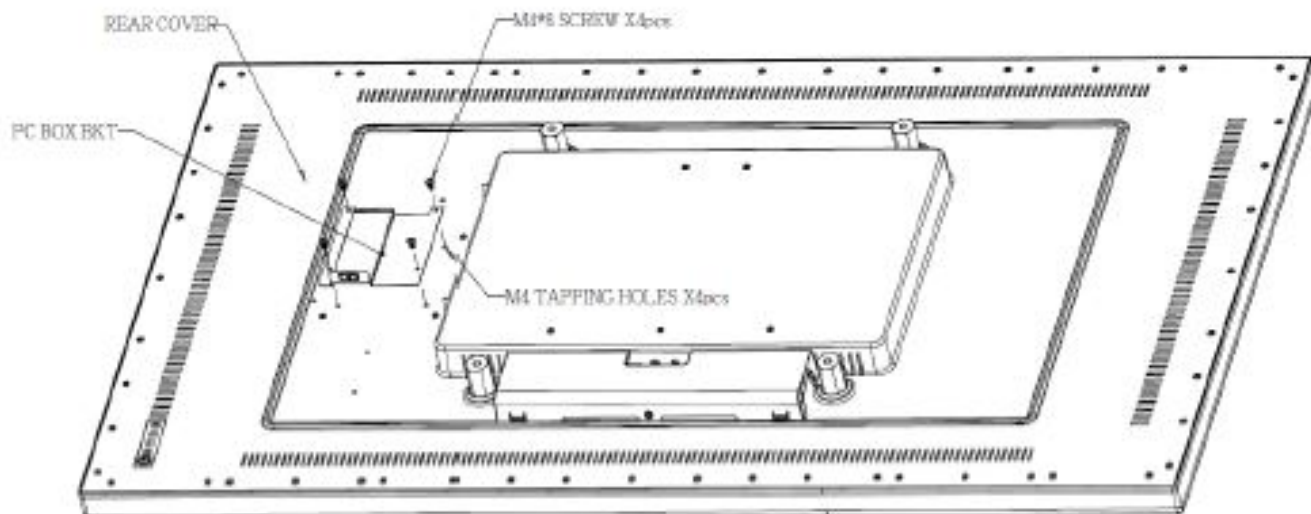
Installation | DS-320P-A1, DS-430P-A1(A2), DS-550P-A1

MP-000-AA2 signage bracket, MP-BRKT-B1* "B1" Bracket Sold Separately



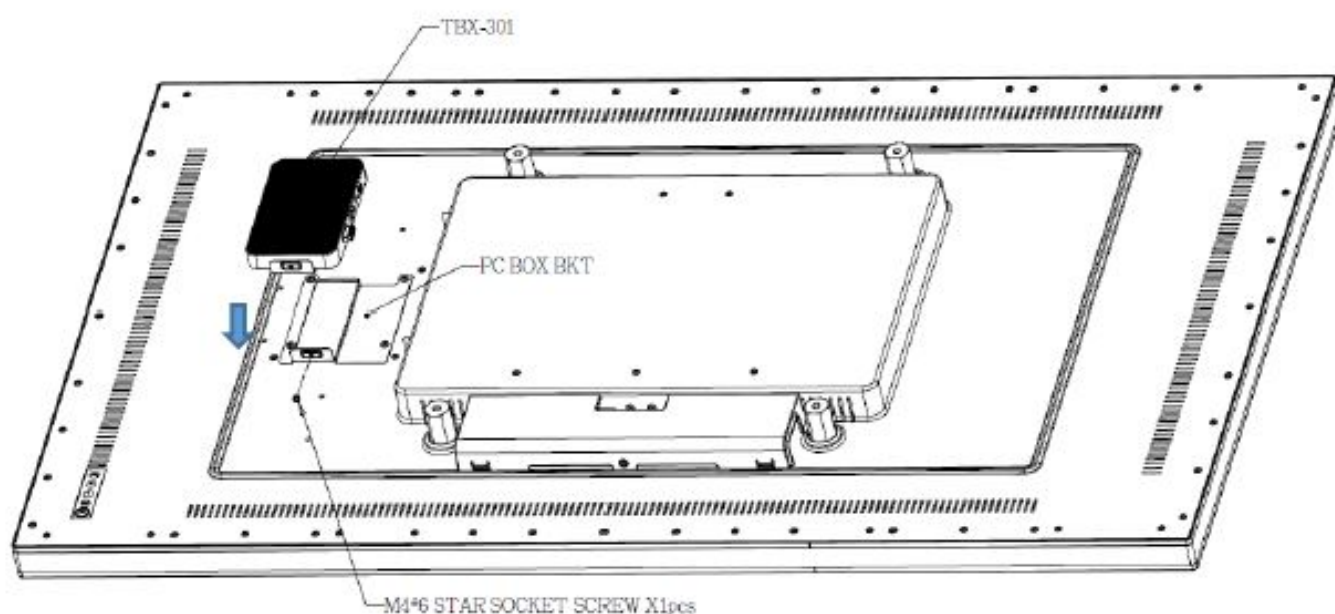
Step 1. DS-550P-A1

Fix the Media Player bracket to the rear cover with 4pcs M4*8 screws.



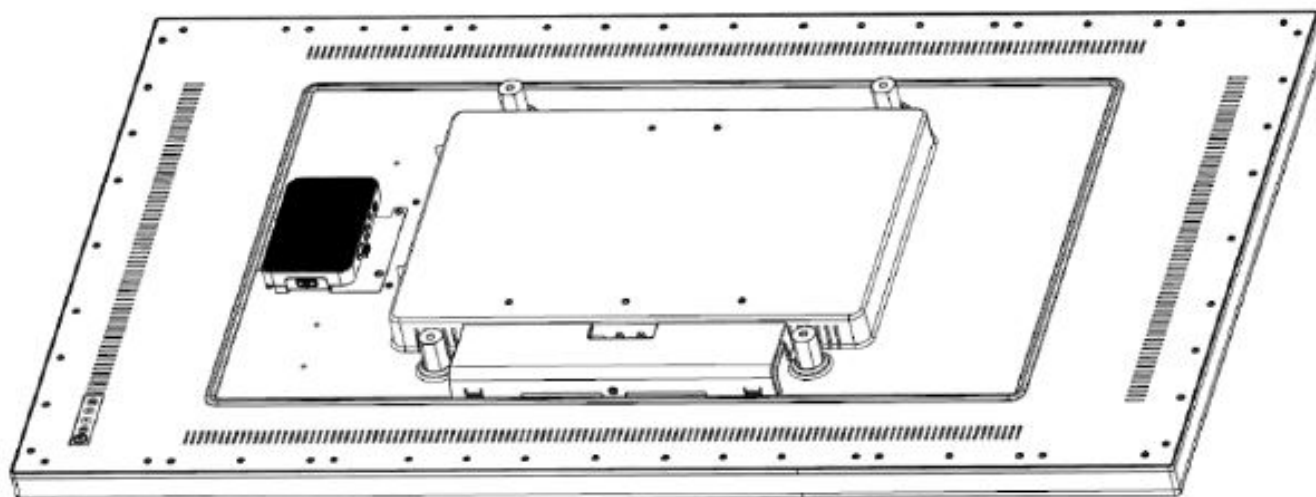
Step 2.

Lock the Media Player into the bracket and fix it with M4*6 star socket screw on the side.



Step 3.

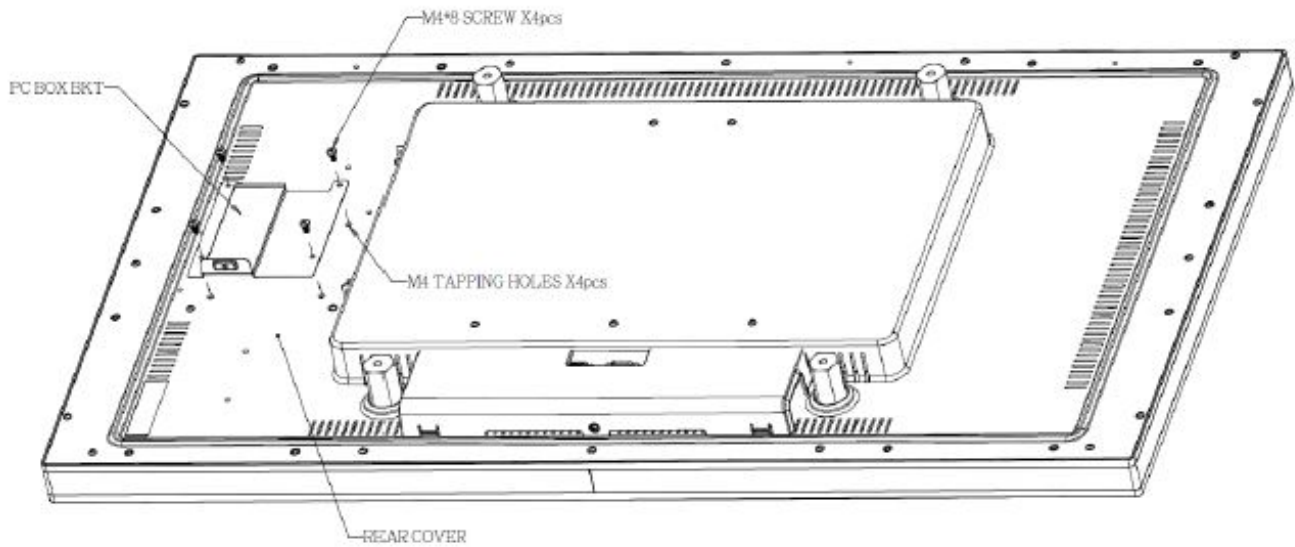
Complete the assembly of MP-000-AA2 and fix it on the DS-550P-A1.



DS-430P-A1(A2)

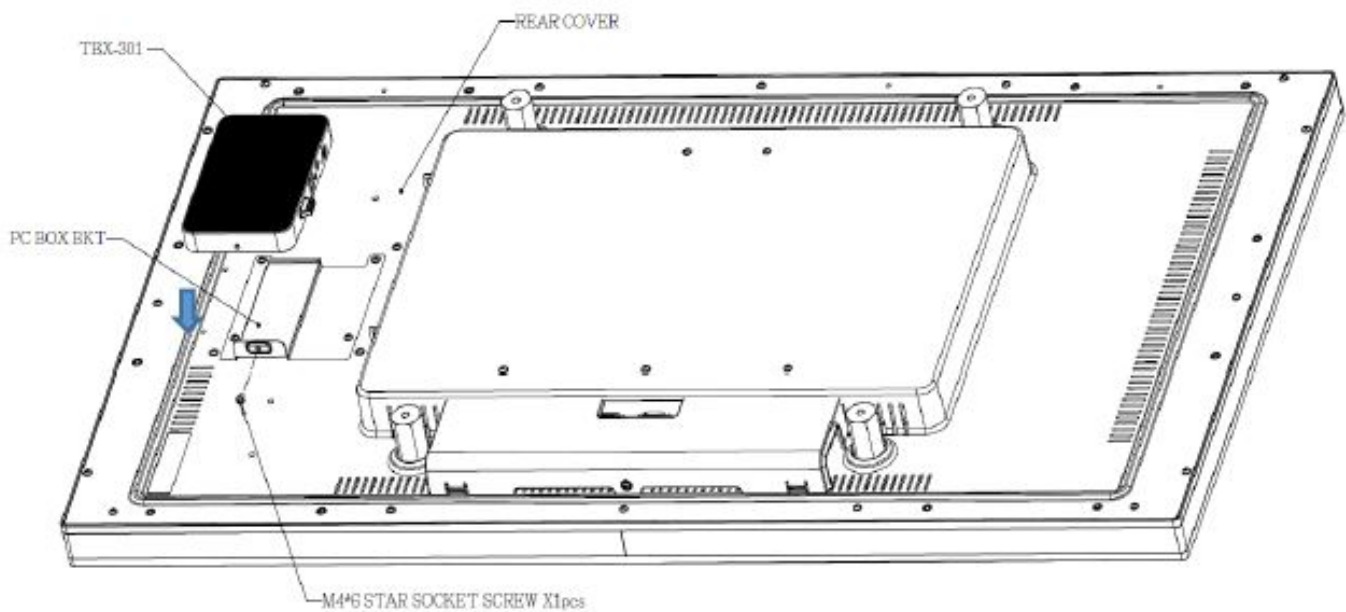
Step 1.

Fix the Media Player bracket to the rear cover with 4pcs M4*8 screws.



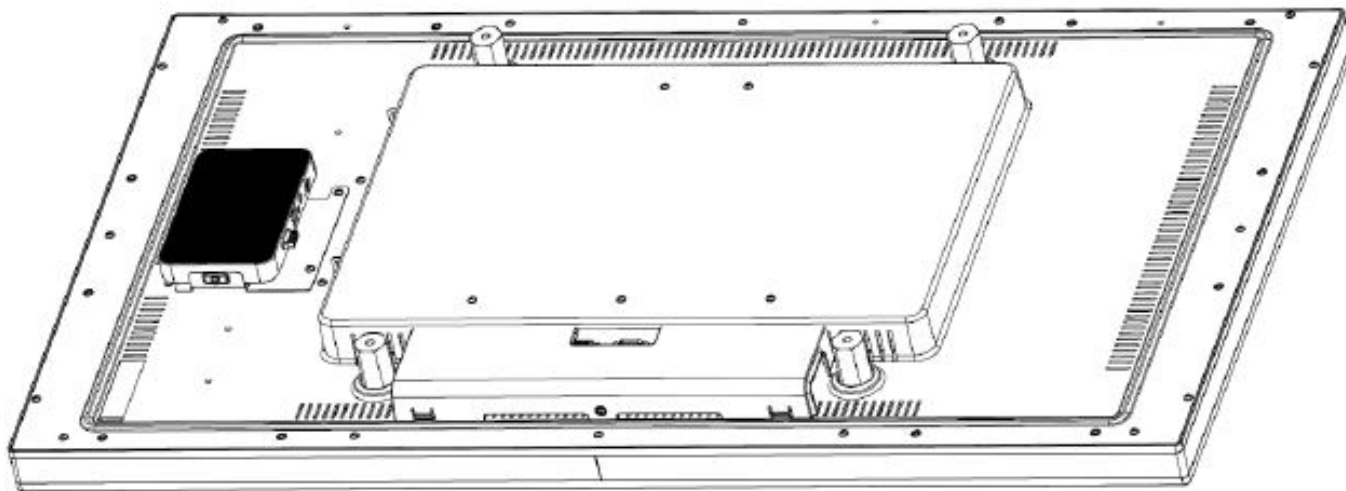
Step 2.

Lock the Media Player into the bracket and fix it with M4*6 star socket screw on the side.



Step 3.

Complete the assembly of MP-000-AA2 and fix it on the DS-430P-A1(A2).

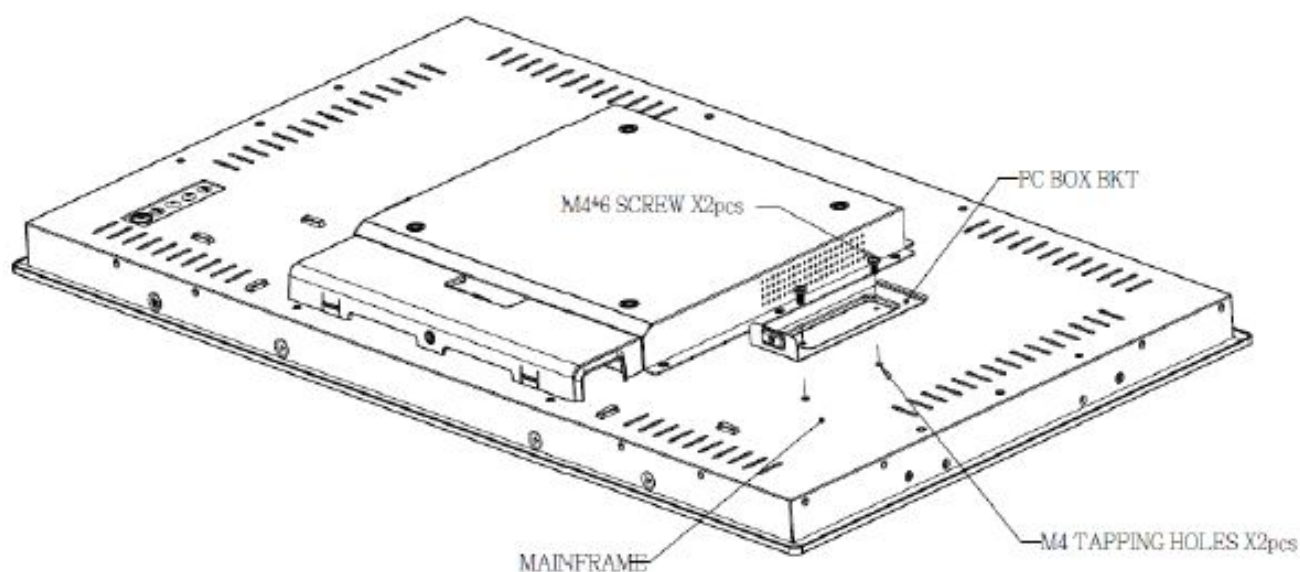


OF-320P-A1

*Check with your sales representative to ensure your OF-320P-A1 housing is compatible will work with MP-BRKT-B1

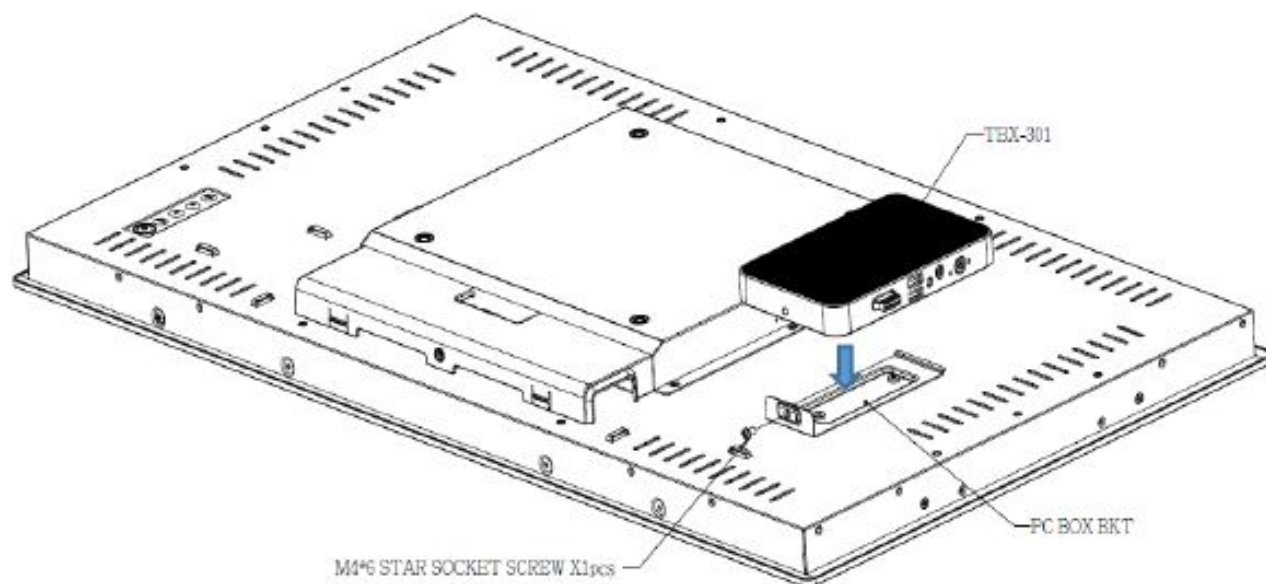
Step 1.

Fix the Media Player bracket to the rear cover with 4pcs M4*8 screws.



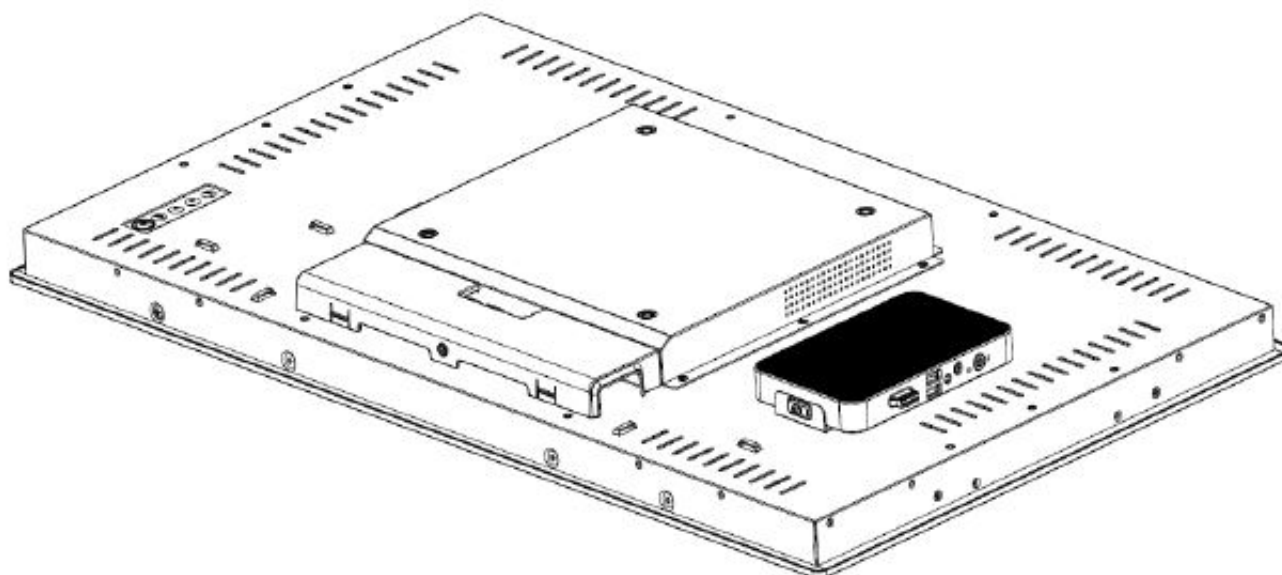
Step 2.

Lock the Media Player into the bracket and fix it with M4*6 star socket screw on the side.



Step 3.

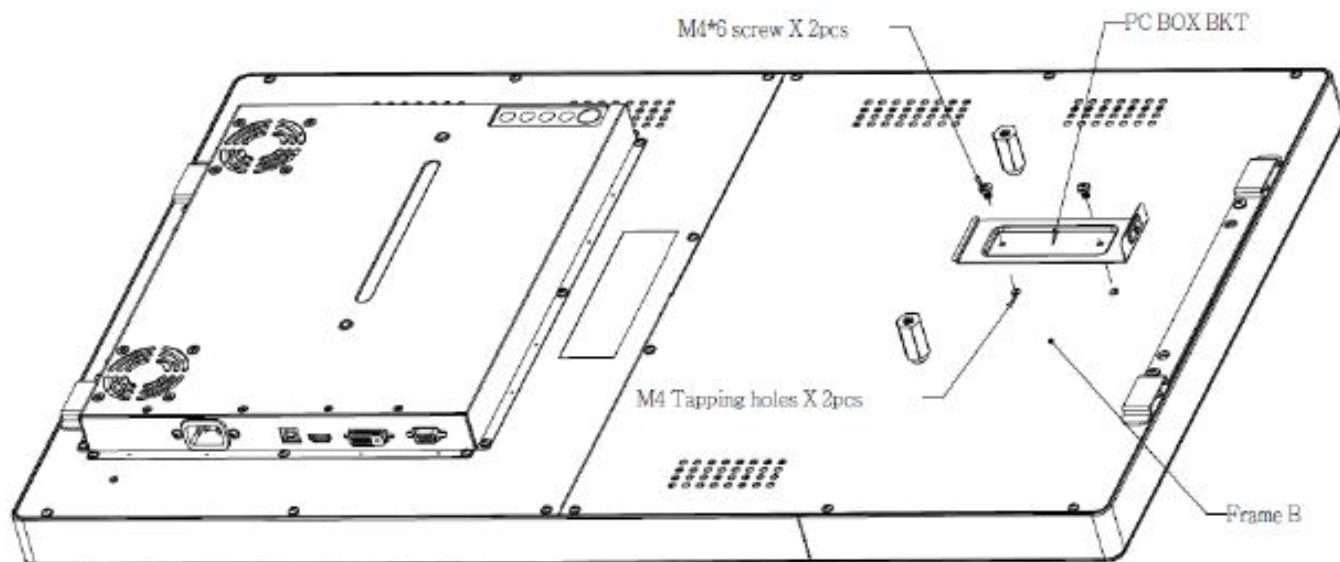
Complete the assembly of MP-000-AA2 and fix it on the OF-320P-A1.



DS-320P-A1

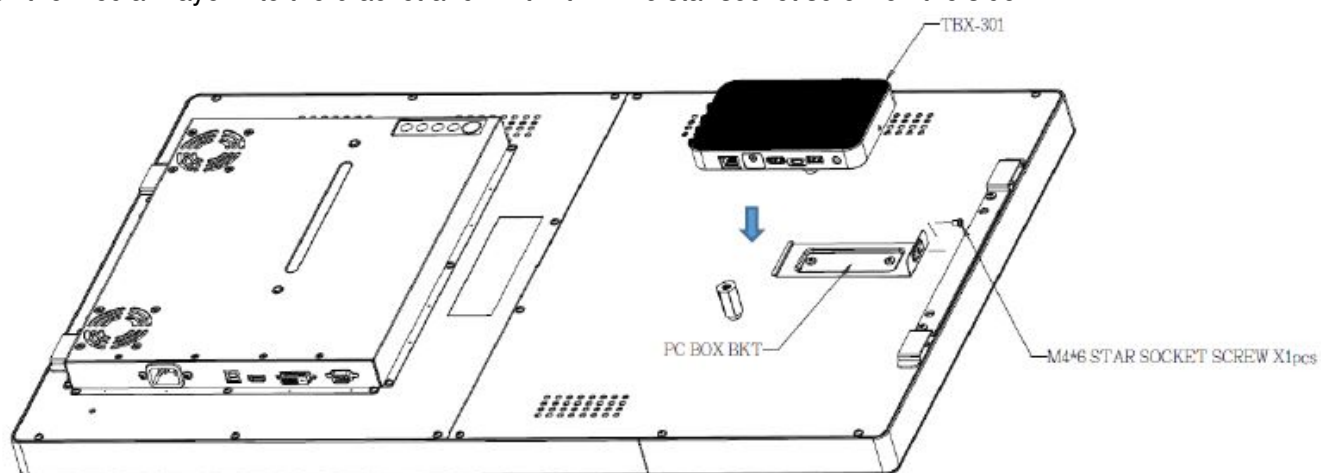
Step 1.

Fix the Media Player bracket to the rear cover with 2pcs M4*8 screws.



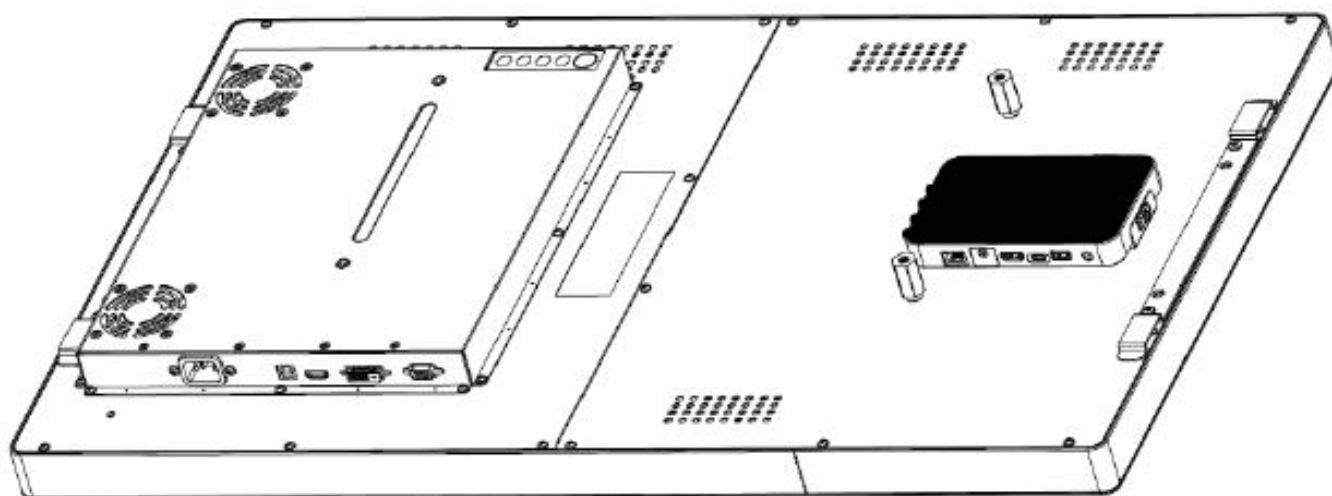
Step 2.

Lock the Media Player into the bracket and fix it with M4*6 star socket screw on the side



Step 3.

Complete the assembly of MP-000-AA2 and fix it on the DS-320P-A1.



Compliance Information

For FCC (USA)


This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. 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.

For IC (Canada) CAN ICES-3(A)/NMB-3(A) For CE (EU) The device complies with the EMC Directive 2014/30/EU and Low Voltage Directive 2014/35/EU

Disposal Information

Waste Electrical and Electronic Equipment This symbol on the product indicates that, under the European Directive 2012/19/EU governing waste from electrical and electronic equipment, this product must not be disposed of with other municipal waste. Please dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. For more information about recycling of this product, please contact your local city office or your municipal waste disposal service.

Documents / Resources

	<p>MicroTouch MP-000-AA2 Android Media Player [pdf] User Manual MP-000-AA2, Android Media Player</p>
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