

VESTAX

SERVICE NOTE

MODEL: MDM-410

- 1. SPECIFICATIONS P. 2 - P. 6**
- 2. CIRCUIT DIAGRAM P. 7**
- 3. COMPONENTS LIST P. 8 - P. 43**

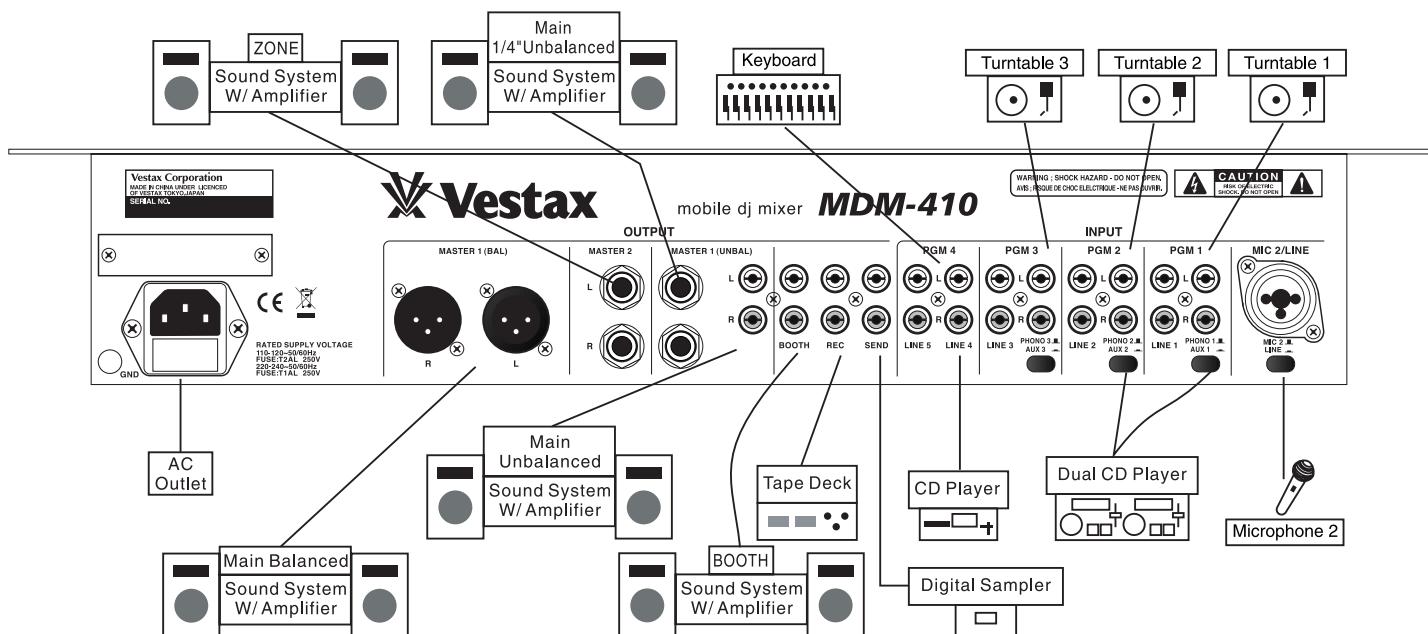
Vestax Corporation Service Department

1. FEATURES

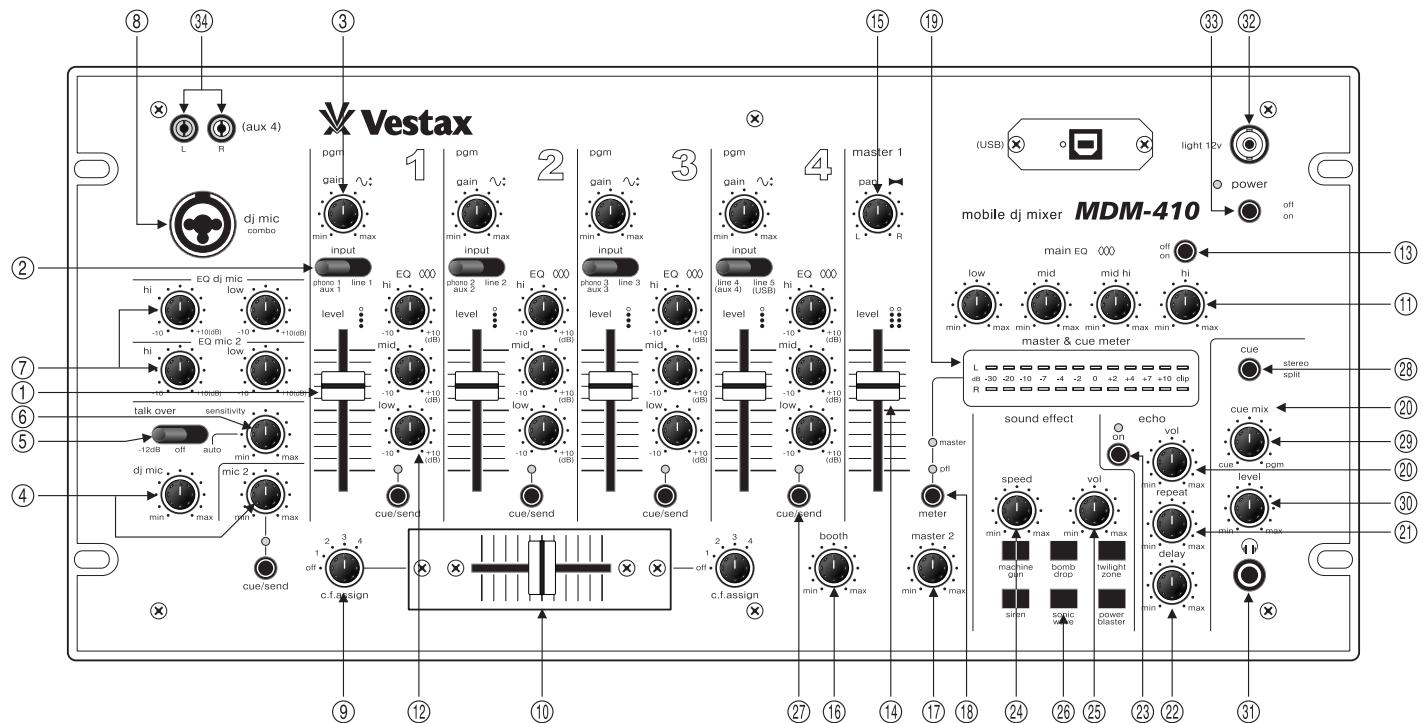
- 4 Space Rack Design
- 4 Band Master EQ and Dual LED Master and cue meter
- 3 Band EQ per Channel to control Low level, Mid Level and High level frequency
- Push button CUE per channel with green LED indicator allowing CUE mix
- XLR-1/4" combo Mic input
- Talk over feature with sensitivity control
- BNC lamp port
- 1/4"headphone input
- 2 band Mic EQ & volume controls Booth and Master2 Outputs
- Selectable Crossfader
- Front RCA AUX input for MP3 Players, Computers or any other audio source
- 5 lines, 2 Mic, 3 phono/aux convertible RCA inputs
- Master (XLR and 1/4"), record, booth, & send RCA outputs, 1/4" Master2 output
- 6 sound effects and ECHO function
- Unit Dimensions: 18.9" x 8.6" x 3.1"

2. QUICK SETUP DIAGRAM

Study this setup diagram. Make sure all faders are at "zero" and devices are off. First, connect all stereo input sources. Next, connect your microphone(s) and monitor headphones. Finally, connect the stereo outputs to the power amplifier(s) and /or audio sources. Plug your audio input sources such as turn tables or CD players first, then your mixer, and finally any amplifiers. When turning off, always reverse this operation by turning off amplifiers, then your mixer, and finally any amplifiers. When turning off, always reverse this operation by turning off amplifiers, then your mixer, and then input devices.



3. FRONT PANEL FEATURES



This section is divided into various functional blocks: Inputs, Microphone, Crossfader, Equalizer, Outputs, and Headphone Cueing. It is important to learn how each of these works.

INPUTS

1. Input faders - to control individual source levels in the mixer.
2. Input Toggle Switches - to select which source will be live to that channel based on what you have connected to the rearpanel input section.
3. Pre - fader Gain Controls - to adjust the pre-fader volume for clearer sound.

MICROPHONE

4. Mic Gain Controls - The DJ Mic and Mic2 Fader control the DJ Mic volume and Mic2 volume For the Alto "Combo" connectors.
5. Mic Talkover - Talk over Switch - to control DJ Mic only. Mic 2 activation is controlled only through the Mic 2 level fader. Talk over turns down the input level of the music sources from Channels 1-4.
6. Talk over sensitivity adjust-to determine the point in which auto-talk over activates. The more sensitive the adjustment is , the quieter you need to speak into microphone to activate auto-talk over.
7. Mic Treble and Bass Controls - for fine - tuning the tone of your voice on Both mics through the sound system.
The controls are detented for setting tone "flat". For best results, use a dynamic cardioid microphone.
8. Show "Combo" connector - to allow connection of either a 1/4" jack or an XLR jack. This is ideal for connecting an XLR gooseneck directly into the mixer.

CROSSFADER

9. Crossfader Assign Knob - to determine which input channel will be heard when the crossfader is moved towards the knob.
10. Replaceable Crossfader - to achieve clean segues between the two input channels selected by the Crossfader Assign.



In this example "Hard left" selects Channel 1 and "Hard right" selects Channel 4. With the crossfader centred, both assigned channels are live. Use the crossfader for fast and seam less segues from one selected channel to the other.

Note: The crossfader is user replaceable in case of failure. Simply unscrew the two large screws that hold it in place, lift it out and disconnect its cable. Re-attach the new crossfader and screw the mounting plate back onto the unit-you're back in business!

EQUALIZER

11. 4-Band Main Equalizer (EQ) -

It compensates for differences in source material sound quality. Main Equalizer can be used to tailor the sound to the acoustical requirements of the room. Center frequencies are 60Hz, 700Hz, 4KHz and 15KHz.

You have to compensate by running the Master output higher:

12. Channel EQ-control 3-band EQ,±10dB at 100Hz,1KHz,10KHz.

GENERAL EQ HINTS

- Boost the 60Hz band for deep bass tones and solid kick drum sound. Use sparingly because this dramatically increases demand on power amplifiers and could drive them into "clipping".
- Cut slightly at 700Hz and more at 4KHz for extra clarity
Note: cutting is preferable to boosting.
- Boost 15KHz for a little "sizzle".
- As a general rule, less equalization is better!

13. Main EQ switch-when it is used to adjust the main EQ, switch it on.

OUTPUT

14. Master1 Fader - to control the over all output level.

15. Panning-to adjust the balance of right to left audio.

16. Booth fader -to control speaker volume for a remote booth monitors.

17. Master2 fader -to control speaker volume for a remote zone monitors.

18. Meter Assign -to determine whether pre-fader or master audio is sent to the stereo LED meter. PFL signal is determined by the cue assign switches.

19. Stereo Auto Peak Hold Level Indicator- to track level of audio sent to it by the meter assign.

The red LEDs for +4dB, +7dB, +10dB and clip. program peaks for second or two. With peak Metering, it's OK to be "in the red" as long as +10dB or clip aren't constantly lit.

When it is used as a master output meter, set the crossover, equalizer and power amp inputs to avoid distortion at each step in the audio chain. Pay attention to the peak meter to avoid sound distortion.

When it is used to adjust the PFL levels, accurately match channel levels with the Pre-fader gain controls before mixing them together. The idea is to properly match PFL inputs, not the input with the stereo output meter!

20. Echo volume-to adjust the output level of Echo volume

21. Echo Repeat- to adjust the Echo repeat.Turn the knob counter clockwise.It decreases the echo repeat.Turn the knob clockwise, then it increases the echo repeat.

22. Delay - to adjust the Echo delay

23. ON switch - when you need the echo effects, turn on the switch.

SOUND EFFECTS

24. Speed-to adjust the speed of sound broadcasting

25. Volume-to adjust sound output level

26. Sound effects-to select 6 Sound effects(1.MACHINE GUN 2.BOMB DROP 3.TWILIGHT ZONE 4.SIREN 5.SONIC WAVE 6.POWER BLASTER)

HEADPHONE CUEING

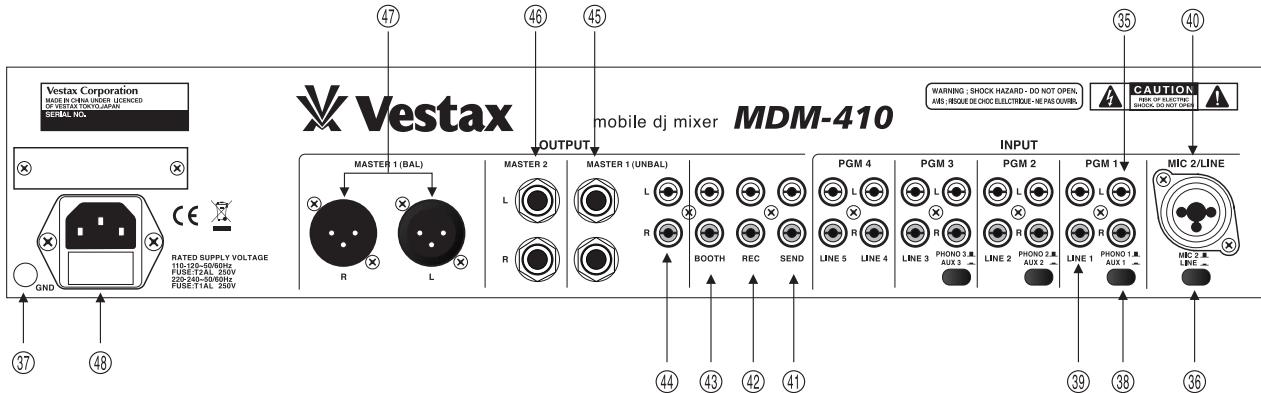
27. Channel Cue/Send Assign-are used to route PFL channel audio to the Monitor Section.

The channel fadets do not control the Cue send volume. This audio is also sent to a rear panel output for use with an external sampler or other source such as booth monitor.

28. Split /Blend Cue-controls how PFL and Program audio are sent to your headphones. in split mode, the PFL audio can be heard in your left ear and PGM audio can be heard in your right ear. In blend mode, both PFL and PGM can be heard in both ears.

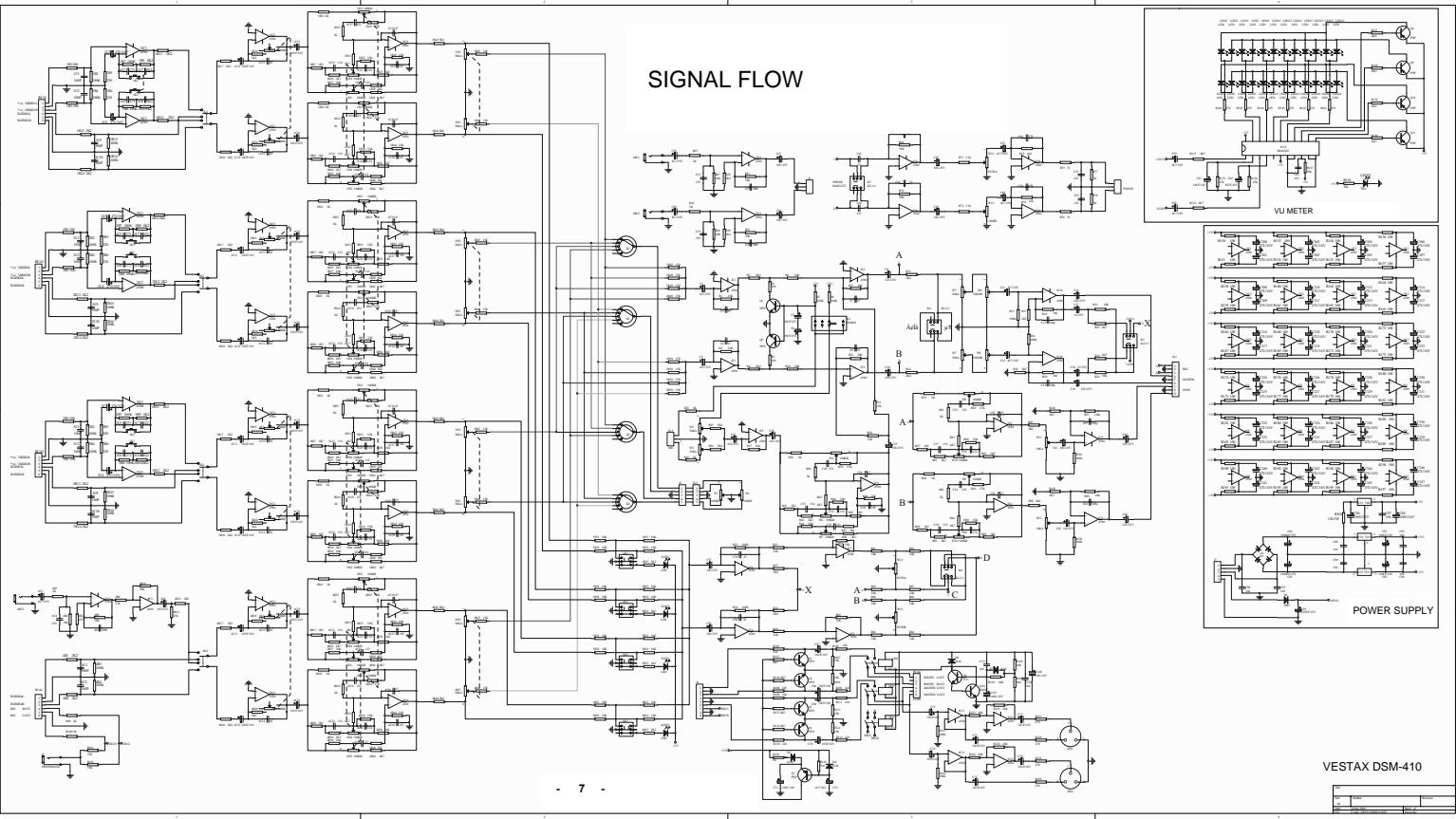
29. Cue Mix-controls the mix of PFL and PGM signals to your headphones. When the slider is moved to the left, all you will hear is the cue source. When the slider is all the way right, you will hear what is playing through the master output. By blending, beats can be matched exactly and segues can be smooth when a song is cued.
30. Cue Level-to adjust cue volume.
31. Cue output-for your 1/4"headphone.
32. 12V BNC Connector-allows a 12-volt gooseneck lamp to be connected directly to the mixer. This light is readily available from your Numark dealer.
33. Power Button-turns unit off and on.
34. Aux4 input-the input controlled by CH-4.

4. REAR PANEL FEATURES



35. Phono Inputs-for attaching your turntables. When these connectors are used, signal is fed directly to the high-quality RIAA phono pre-amplifiers. Line level sources will overload the sensitive phone pre-amps and will cause distortion.
36. Mic/line input switch-to select Mic or Line input.
37. Grounding lug-for turntable connection. Always use this connection when using turntables. (your turntable cable should have a grounding wire)
38. Aux/Pnone Input switch-to allow line level equipment to be plugged into your phono inputs giving you a total offline input options.
39. Line Inputs-are unbalanced RCA jacks for connecting stereo audio from line level sources such as CD players, HiFi VCRs, cassette and reel-to-reel tape decks, DAT machines , laser discs, tuners,even synthesizers or other mixing consoles.
- NOTE: Plug mono audio sources into both Left and Right inputs using a "Y" cable connector.
40. Mic Input-for alto"Commo" (1/4" or XLR plug).
41. Send Outputs-to temporarily send channel PFL signal to an external sampler or other source. When there is signal output, the PFL cue buttons should be pressed down.
42. Record Outputs-are unbalanced RCA jacks used to send the output of the program to any connected recording device.
43. Stereo Booth Outputs- unbalanced RCA jacks controlled by the Booth Level control.
44. Stereo Main Outputs- unbalanced RCA connectors controlled by the Master fader.
45. Stereo Main Outputs- unbalanced 1/4" plug connectors.
46. Stereo Main Outputs-unbalanced 1/4" plug controlled by zone level.
47. Stereo Balanced Main Outputs- low-impedance XLR type connectors controlled by the Master fader.
48. IEC Power Connecter- to plug power cord in.

SIGNAL FLOW



Serial no.	Material code	Material name	Drawing no.	specification	finish	material	position	quantity	物料来源		备注
									外协单位	自制	
1		single									
2	02AR301000 9301	Guitar knob A	AR301X009			plastic		7			
3	02AR301001 0301	Guitar knob B	AR301X010			plastic		1			
4	02AR301000 5301	Potentiometer handle1	AR301X005			plastic		6			
5	02AR301000 7301	Potentiometer slot3	AR301X007			plastic		5			
6	02AR301000 8301	Potentiometer slot1	AR301X008			plastic		1			
7	02AR401000 9301	Potentiometer slot2	AR301X009			plastic		1			
8	02AR301000 2301	Switch set1	AR301X002			plastic		7			
9	02AR301000 3301	Switch set2	AR301X003			plastic		1			
10		knob-white				plastic		28			客户 提供
11											

12											
13	02121810 115	transformer	AR401/501transformer-TDB-20-01					1			
14		Screen cover						1			
15	02AR501000 1900	Module of panel	AR501X001			iron		1			
16	02AR201000 7801	Module of small panel	AR201X007			iron		1			
17	02AR501000 2801	Module of bottom box	AR501X002		Spray black	iron		1			
18	02AR501000 3900	Module of rear panel	AR501X003		Spray black	iron		1			
19	02AR501B00 1B00	The module of inner scaleboard	AR501XB01		COLOR ZINC	iron		1			
20	02AR501D001 M00	The module of input,output panel	AR501XXXXD01			Wreath oxygen resin board		1			
21	02AR501D002 M00	Module of main panel	AR501XXXXD02			Wreath oxygen resin board		1			

				拟制	陈广 2006-4-22	DSM410	文件编号	DSM410-BOM					
				审核			使用版本:2005-REV1.0						
							等级						
							第 1 页/共 3 页						
				标准化			音王音响有限公司						
更改标记	数量	更改单号	签名/日期	批准									

表格 - SZ - 029

serial no.	Material code	Material name	Drawing no.	specification	finish	material	position	quantit y	物料来源		备注
									外协单位	自制	
1		MIC1module of input panel	AR501XXXXX D03			Wreath oxygen resin board		1			
2		MIC2module of input panel	AR501XXXXX D04			Wreath oxygen resin board		1			

3		AUX/phonograph	AR501XXXX D06			Wreath oxygen resin board		1			
4		The module of earphone output board	AR501XXXX D04			Wreath oxygen resin board		1			
5		The module of potentiometer board	AR401XXXX D06			Wreath oxygen resin board		1			Use AR401
6		The main Output board	AR501XXXX D07			Wreath oxygen resin board		1			
7	0505LKG1104	Djpower switch	SPA-1104				panel	1			
8	05093GTJE4+	The jack of fuse box-E4	SP-862				Rear panel	1			
9	0505KGHP308	Power switch	HF-308				Rear panel	1			
10	02AA1500A12201	The foot mat of power amplifier	AA1500AXXX0 12			plastic	motherboard	4			
11	05140022+++	Power cable		0.75square/authentication/L=3m				1			

12	060613034			φ 5-pyrocondensation tube- L=20mm	black	plastic	The jack of power	3			
13	060613033			φ 3- pyrocondensation tube - L=20mm	black	plastic	Djpower switch	2			
14				φ4-yellow tube- L=50mm			transformer	9			
15		Other material		lacquer (red)				The right amount			
16				Yellow slue				The right amount			
17				HZ-KS101-导热硅脂				The right amount			
18				Soldering tin silk-no plumbum				The right amount			
19	07170001			XHS3×100 belt-L10mm				The right amount			
20	110750001			drier				2 bag			
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				审核			号		
							使用版本: 2005-REV1.0		
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				标准化			第 2 页/共 3 页		
更改标记	数量	更改单号	签名/日期	批准			音王音响有限公司		

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1		Nylon bag						1			
2				The manual of DSM410				1			
3	02AR501000650 0	Packaging foam left	AR501X006			foam		1			
4	02AR501000550 0	Packaging foam right	AR401X005			foam		1			

5	07051132		Outer box			Color box		1		
6	07051131		Inner box			Wall paper		1		
7		Criterison module								
8	0402F0312++07	GB845.850310B		M3X12snail	Black nickel	Iron	Fixup MIC1 input board and inner scaleboard	2		
9	0401E0304++11	GB9074.1.880304B		M3×4bolt	Black nickel	Iron	Fixup the potentiometer and inner scaleboard	10		
10	0401E0306++01	GB9074.1.880306B		M3×6bolt	Black nickel	Iron	Fixup the rear panel/bottom box/inner scaleboard	20		
11	0401B0312++01	GB819.850312W		M3X12snail	Bright nickel	Iron	Fixup the small panel	2		
12	0401B0308++01	GB819.850308W		M3X8 snail	Bright nickel	Iron	Fixup the small panel and inner scaleboard	2		
13	0401B0306++01	GB819.850306W		M3X6 snail	Bright nickel	Iron	Fixup the panel and inner scaleboard	7		

14	0401I0312++01	GB9074.19.884.22 2		M3X12 snail	Bright nickel	Iron	GND	2		
15	0401I0203++04	GB822.850203B		M2X3 snail	Black nickel	Iron	FIXUP THE D05	6		
16	0401I2.504+04	GB822.852.504W		M2.5X4 snail	Bright nickel	Iron	Fixup the switch that has three gear and inner scaleboard	2		
17	0401I0308++11	GB818.85*		M3X8 snail	Black nickel	Iron	Fixup the jack of power and rear panel	2		
18	0403A03050103	GB6170.860300 W		M3flat nut	Bright nickel	Iron	GND and fixup the power jack	4		
19	0404A03070101	GB97.1.850300 W		φ3X7flat nut	Bright nickel	Iron	GND and fixup the power jack	4		
20	0404B0300++03	GB93.870300 W		φ3spring mat	Bright nickel	Iron	GND and fixup the power jack	4		
21	0404C0300++11	GB861.1.87030 0B		φ3 washer	Black nickel	Iron	GND	1		

22	0401B0408++04		GB819.850408B		M4X8snail	Black nickel	Iron	Fixup the feet mat	4			
23	02AA1500ABH1 2				M3X12the nut thathas double nob	Bright nickel	coppe r	Fixup the main board on the inner scaleboard	8			
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				审核						使用版本: 2005-REV1.0		
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更改标记	数量	更改单号	签名/日期	批准					音王音响有限公司			

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serial no.	Material code	Material name	Drawing no.	specification	finish	material	position	quantity	物料来源		备注
									外协单位	自制	

1	05060130+++	resistance		0805-30-1/10W- ± 5%-TDK-盘装		Carbon theca	R150,R151,R156,R157,R162,R163,R168,R169, R194,R195 R196,R197	12			
2	05060168+++			0805-68-1/10W- ± 5%-TDK-盘装		Carbon theca	R119	1			
3	050601100++			0805-100-1/10W-± 5%-TDK-盘装		Carbon theca	1R1,1R3,2R1,2R3,3R1,3R3	6			
4	050601220++			0805-220-1/10W-± 5%-TDK-盘装		Carbon theca	1R5,1R6,2R5,2R6,3R5,3R6,R103,R104 ,R105,R106,R109				
5							R110,R111,R112	14			
6	050601470++			0805-470-1/10W-± 5%-TDK-盘装		Carbon theca	4R7,R127,R128,R129,R130	5			
7	050601510++			0805-510-1/10W-± 5%-TDK-盘装		Carbon theca	R120	1			
8	0506011K+++			0805-1K-1/10W- ± 5%-TDK-盘装		Carbon theca	4R5. R99,R100	3			
9	0506012.2K+			0805-2K2-1/10W- ±5%-TDK-盘装		Carbon theca	1R11,1R12,1R13,1R14,2R11,2R12,2R 13,2R14,3R11,3R12				
10							3R13, 3R14,4R1,4R2,4R11	15			

11				0805-3K3-1/10W- ±5%-TDK-盘装		Carbon theca 4R9		1			
12	0506014.7K+			0805-4K7-1/10W- ±5%-TDK-盘装		Carbon theca R115,R116,R117,R118		4			
13	0506015.6K+			0805-5K6-1/10W- ±5%-TDK-盘装		Carbon theca R199		1			
14	0506018.2K+			0805-8K2-1/10W- ±5%-TDK-盘装		Carbon theca 1R9,1R10,2R9,2R10,3R9,3R10		6			
15	05060110K++			0805-10K-1/10W- ±5%-TDK-盘装		Carbon theca 4R6,4R8,R123,R124,R125,R126,R198		7			
16	05060115K++			0805-15K-1/10W- ±5%-TDK-盘装		Carbon theca R101,R102		2			
17	05060147K++			0805-47K-1/10W- ±5%-TDK-盘装		Carbon theca 4R12,R107,R108,R113,R114		5			
18	05060168K++			0805-68K-1/10W- ±5%-TDK-盘装		Carbon theca R120		1			
19	050601100K+			0805-100K-1/10W- ± 5%-TDK-盘装		Carbon theca 1R15,1R16,1R2,1R4,1R7,1R8,2R15,2R 16,2R2,2R4,2R7,2R8					

20							3R15,3R16,3R2, 3R4,3R7,3R8,4R3,4R4,R121,R122		22			
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				审核					使用版本: 2005-REV1.0			
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更改标记	数量	更改单号	签名/日期	批准					音王音响有限公司			

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									外协单位	自制	
1	05060156K++			0805-56K-1/10W-±5%-TDK-		Carbo n theca	4R10	1			
2	0501RT120+3	Power resistanc e		RY-120-3W- ± 5%- 带 状 - 成 型 脚 距 20mm		Carbo n theca	R160	1			

6	050603100PF	capacitance		0805-100P-25V-±20%-TDK- 盘装		pottery	1C1,1C10,1C2,1C9,2C1,2C2,2C9,2C 10,3C1,3C2,				
4							3C9,3C10,4C1,4C2,4C5	15			
5	050601470PF	pottery		0805-470P-25V- ± 20%-TDK- 盘装			4C4	1			
6	0506030.1U+	pottery		0805-104-25V- ± 20%-TDK- 盘装			C150,C151	2			
7	0503CBB8.2N	CBB capacitance		CBB-822-63V-20%-脚距5mm- 带装			1C7,1C8,2C7,2C8,3C7,3C8	6			
8	0503CBB0003			CBB-273-63V-20%-脚距5mm- 带装			1C5,1C6,2C5,2C6,3C5,3C6	6			microminiature
9	0503CBB0.1U			CBB-104-63V-20%-脚距5mm- 带装			C87,C89,C90,C93,C94,C96,C97	7			microminiature
10	0503CD4.7UF	Electrolytic capacitance		CD-4.7U-50V-20%-脚距 2.5mm-bulk			4C3,C72	2			microminiature
11	0503CD10U16			CD-10U-25V-20%-脚距 2.5mm- bulk			C67,C68,C69,C70,C73,C74,C75,C76,C77,C78,4C6	11			microminiature

12	0503CD22U++			CD-22U-25V-20%-脚距 2.5mm- bulk			C148	1			microm iniature
13	0503CD47U++			CD-47U-16V-20%-脚距 2.5mm- bulk			1C3,1C4,2C3,2C4,3C3,3C4,C100,				microm iniature
14							C101,C106,C107,C112,C113,C118,	18			microm iniature
15							C119,C144,C145,C146,C147				
16	0503CD100U0			CD-100U-25V-20%- 脚 距 2.5mm- bulk			C86,C88,C91,C92,C147	5			microm iniature
17	0503CD220U2			CD-220U-16V-20%- 脚 距 2.5mm- bulk			C71,C95	2			microm iniature
18	0503CD35V++			CD-1000U-35V-20%- 脚 距 2.5mm- bulk			C84,C85	2			
19	05072K4148+	diode		3216-IN4148/1A/100V-switch diode			D3,D4,D7,D8	4			
20	05072Y4007+			IN4007-1A/400V-DO-41-带状-脚距 10mm			,D2	1			
21	050608T5087	audion		BT5087-SOT-23-common audion			Q7	1			
22											

				拟制	陈广 2006-4-22	DSM410	文件编号 AR501XXXXD01-BOM 使用版本: 2005-REV1.0 等级 标记	第 2 页/共 4 页 音王音响有限公司
				审核				
				标准化				
更改标记	数量	更改单号	签名/日期	批准				

表格 - SZ - 029

serial no.	Material code	Material name	Drawing no.	specification	finish	material	position	quantity	物料来源		备注
									外协单位	自制	
1	05060800015			2SC3326-B-SO T-23 静噪管			Q3,Q4,Q5,Q6	4			
2	0506082N555 1			2N5551-SOT-23 -ccommon audion			Q9	1			
3	05073CD669 A			2SD669- 塑 封 -TO-126ML-poer tm audion-bulk			Q10	1			

4	05072BRA400	Commute bridge		2W04-400V-2A-round bridge		D1	1			
5	0508RC4580L	Integration piece		NJM4580L-SIP-8-single line 4580		1IC1,2IC1,3IC1,4IC1,IC11,IC12	6			
6	05087815+++			7815-T0-220FP-稳压管-KIA-standard packing		IC14	1			
7	05087915+++			7915-T0-220FP-稳压管-韩国 KIA- standard packing		IC15	1			
8	05087805+++			7805-T0-220FP-稳压管-韩国 KIA- standard packing		IC13	1			
9	0509XH-24++	The row puts		小插针-XH-2A 针距 2.5mm		J10	1			
10	0509XH-4A++			小插针-XH-4A 针距 2.5mm		J1,J2,J3,	3			
11	0509XH-5A++			小插针-XH-5A 针距 2.5mm		J8	1			
12	0509XH-6A++			小插针-XH-6A 针距 2.5mm		J9	1			

13	0509XH-9A+ +			小插针-XH-9A 针 距 2.5mm			J6	1			
14	0506XH-12A +			小 插 针 -XH-12A 针距 2.5mm			J4,J5	2			
15	0509VH-5A+			大插针-VH-5A 针 距 4mm			J7	1			
16	050412VDC0 1			G6S-2-12VDC- OMRON relay			1JD1,1JD2,1JD3	3			
17	0509CK6.351	jack		SK6.35-21			MIC3,RIGHT	2			
18	02AR50100071 00			DY-CN25	Black nickel	iron	7815/7915/7805	3			
19	040II0312++ 01	GB9074.1.880308B		M3X8 bolt	Bright nickel	iron	Fixup the tube 7815/7915/7805 用	3			
20	0404A03070 101	GB97.1.850300		φ3*7flat mat	Bright nickel	iron	Fixup the tube 7815/7915/7805	3			
21	0404B0300+ +03	GB93.870300W		φ3spring mat	Bright nickel	iron	Fixup the tube 7815/7915/7805	3			
22											

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serial no.	Material code	Material name	Drawing no.	specification	finish	material	position	quantity	物料来源		备注
									外协单位	自制	
1	0509AV28.41	Four holes lotus flower jack		AV4-8.4-7belo w white under red			RCA1,RCA2,RCA3 ,RCA4, RCA5	5			
2	02AR501D0015 00	PCB board		AR501XXXX D01		Wreath oxygen resin		1			
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serial no.	Material code	Material name	Drawing no.	specification	finish	material	position	quantity	物料来源		备注
									外协	自制	
1	05060130+++	resistance		0805-30/10W- ± 5%-TDK-盘装		Carbon theca	R152,R153,R154,R155,R158,R159,R160, R161,R164,R165				
2							R166,R167,R170,R171,R172,R173,R174, R175,R176,R177				
3							R178,R179,R180,R181,R182,R183,R184, R185,R186,R187				
4							R188,R189,R190,R191,R192,R193,R198, R199	38			
5				0805-33-1/10W- ± 5%-TDK-盘装		Carbon theca	R75,R76	2			

6	050601390++			0805-390-1/10W-± 5%-TDK-盘装		Carbon theca	R5,R6	2			
7	050601470++			0805-470-1/10W-± 5%-TDK-盘装		Carbon theca	R141,R142,R143,R144,R145,R146	6			
8	0506011K+++			0805-1K-1/10W- ± 5%-TDK-盘装		Carbon theca	1R21,1R22,1R23,1R24,2R21,2R22,2R23, 2R24,3R21,3R22	6			
9							3R23,3R24,4R21,4R22,4R23,4R24,R25,R 26,R33,R34,R38				
10							R40,R77,R78,R79,R80,R81,R82,R136	29			
11	0506011.2K+			0805-1K2-1/10W- ±5%-TDK-盘装		Carbon theca	1R19,1R20,2R19,2R20,3R19,3R20,4R19, 4R20	8			
12	0506011.5K+			0805-1K5-1/10W- ±5%-TDK-盘装		Carbon theca	1R27,1R28,1R35,1R36,2R27,2R28,2R35, 2R36,3R27,3R28				
13							3R35,3R36,4R27,4R28,4R35,4R36,R41,R 45,R87,R88,R93				
14							R94	22			
15	0506012.2K+			0805-2K2-1/10W- ±5%-TDK-盘装		Carbon theca	1R17,2R17,3R17,4R17,R3,R4,R13,R14,R 29,R30,R137				
16							R138,R139,R140,1R18,2R18,3R18,4R18, R95,R96	20			

17	05060127.K+			0805-2K7-1/10W- ±5%-TDK-盘装		Carbon theca	1R29,1R30,1R41,1R42,2R29,2R30,2R41, 2R42,3R29,3R30			
18							3R41,3R42,4R29,4R30,4R41,4R42,R42,R 48,R91,R92,R17			
19							R18,R101,R102	24		
20	0506013.3K+			0805-3K3-1/10W- ±5%-TDK-盘装		Carbon theca	1R55,2R55,3R55,4R55,R71,R72	6		
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									外协单位	自制	
1	0506014.7K+	resistance		0805-4K7-1/10 W- ± 5%-TDK- 盘装		Carbon theca	1R31,1R32,2R31,2R32,3R31,3R3 2,4R31,4R32,R23,R24				
2							R43,R85,R86,R131,R132	15			
3	0506015.1K+			0805-5K1-1/10 W- ± 5%-TDK- 盘装		Carbon theca	1R39,1R40,2R39,2R40,3R39,3R4 0,4R39,4R40,R47	9			
4	0506015.6K+			0805-5K6-1/10 W- ± 5%-TDK- 盘装		Carbon theca	R35,R36,R57,R58,1R45,1R46,2R 45,2R46,3R45,3R46,				
5							4R45,4R46	12			
6	0506016.8K+			0805-6K8-1/10 W- ± 5%-TDK- 盘装		Carbon theca	R59,R60	2			

7	05060110K+ +			0805-10K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	1R53,1R54,2R53,2R54,3R53,3R5 4,4R53,4R54,R9,R10,				
8							R21,R22,R27,R28,R19,R20,R97,R 98	18			
9	05060112K+ +			0805-12K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	R50,R51	2			
10	05060115K+ +			0805-15K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	1R47,1R48,1R49,1R50,2R47,2R4 8,2R49,2R50,3R47,3R48				
11							3R49,3R50,4R47,4R48,4R49,4R5 0,	16			
12	05060120K+ +			0805-20K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	R11,R12	2			
13	05060122K+ +			0805-22K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	1R43,1R44,2R43,2R44,3R43,3R4 4,4R43,4R44,R1,R2,				
14							R49,R61,R62,R63,R64,R65,R66,R 67,R68 R55,R56	21			

15	05060127K+ +			0805-27K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	1R25,1R26,2R25,2R26,3R25,3R2 6,4R25,4R26,R39,				
16							R83,R84	11			
17	05060130K+ +			0805-30K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	1R37,1R38,2R37,2R38,3R37,3R3 8,4R37,4R38,R46	9			
18				0805-33K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	1R33,1R34,2R33,2R34,3R33,3R3 4,4R33,4R34				
19							R44,R89,R90	11			
20	05060139K+ +			0805-39K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	R69,R70,R135	3			
21				0805-82K-1/10 W- ± 5%-TDK- 盘 装		Carbon theca	R37,R73,R74	3			

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									外协单位	自制	
1	05060147K+ +			0805-47K-1/10W- ±5%-TDK-盘装		Carbon theca	R133,R134	2			

2	05060156K+ +			0805-56K-1/10W- ±5%-TDK-盘装		Carbon theca	1R51,1R52,2R51,2R52,3R51,3R5 2,4R51,4R52,R31, R32				
3	050601100K+			0805-100K-1/10W- ± 5%-TDK-盘装		Carbon theca	R8,R15,R16,R209,R210 R53, R54,	7			
4	050601560K +			0805-560K-1/10W- ± 5%-TDK-盘装		Carbon theca	R7	1			
5	05060333PF+	capacitance		0805-33P-25V- ± 20%-TDK-盘装		pottery	C3,C4,C7,C8,C43,C44	6			
6	05060347PF+			0805-47P-25V- ± 20%-TDK-盘装		pottery	1C19,1C20,2C19,2C20,3C19,3 C20,4C19,4C20,				
7							C30,C39,C40,C49,C50,C55,C5 6	15			
8				0805-470P-25V- ± 20%-TDK-盘装		pottery	C21,C22	2			
9	0503CC68PF 1			0805-68P-25V- ± 20%-TDK-盘装		pottery	1C13,1C14,2C13,2C14,3C13,3 C14,4C13,4C14	8			
10	050603100PF			0805-100P-25V- ± 20%-TDK-盘装		pottery	C23,C24	2			micromi niature

11				0805-180P-25V- ± 20%-TDK-盘装		pottery	C13,C14,C63,C64	4			
12	0503CBB4. 7N			CBB-472-63V-20 %-脚距 5mm-带装			1C17,1C18,2C17,2C18,3C17,3 C18,4C17,4C18,C29				micromi niature
13							C53,C54	11			
14	0503CBB01 63			CBB-103-63V-20 %-脚距 5mm-带装			1C27,1C28,2C27,2C28,3C27,3 C28,4C27,4C28				micromi niature
15							C34,C83	10			micromi niature
16	0503CBB1 2NF			CBB-123-63V-20 %-脚距 5mm-带装			1C25,1C26,2C25,2C26,3C25,3 C26,4C25,4C26,C33	9			micromi niature
15	0503CBB0 047			CBB-473-63V-20 %-脚距 5mm-带装			C41,C42	2			micromi niature
18	0503CBB0. 15			CBB-154-63V-20 %-脚距 5mm-带装			1C21,1C22,1C23,1C24,2C21,2 C22,2C23,2C24,3C21				
19							3C22,3C23,3C24,4C21,4C22,4 C23,4C24,C31,C32				
20							C57,C58,C59,C60	22			

21	0503CD1U 50V	Electrolyte capacitance		CD-1U-50V-20%-脚距 2.5mm-bulk			C17,C18	2			microminiature
22	0503CBB63V 4	CBB capacitance		CBB-222-63V-20 %-脚距 5mm-带装			C51,C52	2			microminiature
23											
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									外协单位	自制	
1	0503CD4.7 U4	Electrolyte capacitance		CD-4U7-25V-20%- 脚 距 2.5mm-bulk		CD capacitance	C1,C2,C11,C12,C19,C20,C47,C48 ,C79,C80	10			microminiature
2	0503CD10U2 5			CD-10U-25V-20%- 脚 距 2.5mm-bulk		CD capacitance	1C11,1C12,1C15,1C16,2C11,2C1 2,2C15,2C16,3C11				
3							3C12,3C15,3C16,4C11,4C12,4C1 5,4C16,C5,C6,C25				
4							C26,C28,C35,C37,C38,C45,C46,C 61,C62,C81,C82	30			microminiature
5	0503CD22 U++			CD-22U-25V-20%- 脚 距 2.5mm-bulk		CD capacitance	C9,C10,,C15,C16,C27,C65,C66	7			microminiature
6	0503CD47 U25			CD-47U-25V-20%- 脚 距 2.5mm-bulk		CD capacitance	C102,C103,C104,C105,C108,C10 9,C110,C111,C114				
7							C115,C116,C117,C120,C121,C12 2,C123,C124,C125				
8							C126,C127,C128,C129,C130,C13 1,C132,C133,C134				
9							C135,C136,C137,C138,C139,C14 0,C141,C142,C143				
10							C148,C149	38			microminiature

11	050608T50 87	audion		BT5087-SOT-23-c ommon audion		Q8,Q9,Q10,Q11	4			
12	050608BT A06			BTA06-SOT-23-co mmon audion		Q1,Q2	2			
13	05072Q03B+ +	LED		Φ 3round nob- LED-green-bulk		LED1,LED2,LED3,LED4,LED5,LE D6,LED7,LED8	8			
14	05072Q03Y+ +			Φ 3round nob- LED-yellow-bulk		LED9,LED10,LED11,LED12,LED1 3,LED14,LED15,				
15						LED16	8			
16	05072Q03R+ +			Φ 3round nob- LED-red-bulk		1LED1,2LED2,3LED1,4LED1,KLE D17,LED18,LED19				
17						LED20,LED21,LED22,LED23,LED 24,LED25	13			
18	0508BC4580 L	Integration piece		NJM4580L-SIP-8-sin gle line4580		1IC2,1IC3,2IC2,2IC3,3IC2,3IC3,4I C2,4IC3,5IC1				
19						IC1,IC2,IC3,IC4,IC5,IC6,IC7,IC8IC 9,IC10	19			
20	0508BA6822 S			BA6822S		IC16	1			
21	0509XH-2A+ +	The row puts		小插针-XH-2A 针距 2.5mm		X11,X12	2			
22										
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									外协单位	自制	
1	0509XH-3A++			小插针-XH-3A 针距 2.5mm			X14	1			
2	0509XH-5A++			小插针-XH-5A 针距 2.5mm			X8,X13	2			
3	0509XH-9A++			小插针-XH-9A 针距 2.5mm			X6	1			
4	0509XH-12A++			小插针-XH-12A 针距 2.5mm			X4,X5	2			
5	0505AN48.5+	switch		DJ/AE-8.5*8.5-single unite-key-press switch-14mm			1K3,2K3,3K3,4K3,K5,K6 ,K7	7			
6	0505KB23 F01			the switch that has three gear-DJ-TS-23E02			K3	1			

7	0505KB00 2++			The switch that has two gear -DJ-TS-22E01			1K2,2K2,3K2,4K2,K4	5			
8	0505KCZ0 02+			-PBS-1-2P5W			K1,K2	2			
9	02AR30100 04301	others	AR301X004	U model		plastic		4			
10	02AR30100 01301		AR301X001	Orientation shelf		plastic		2			
11	02AR401D0 02500	PCB	AR401XXXXD02	The board of raw material		Wreath oxygen resin		1			
12	0502010000 6	potentiometer		RK09D113-F30-C0-A 503			W2,W3	2			ALPS
13	05020100008			RK09D113-F30-C1-B 104			W4 W5,W6	3			ALPS
14	0502080004			RK12L12C-F30-C0-A 103			1W1,2W1,3W1,4W1	4			ALPS
15	05020800013			RK12L12C-F30-C0-A 103			W11	1			ALPS

16	0502080000 5			RK12L12C-F30-C0-A 503			W13	1			ALPS
17	0502080001 2			RK12L123-F30-C1-B1 04			1W2,1W3,1W4,2W2,2W 3,2W4,3W2,3W3,3W4				ALPS
18							4W2,4W3,4W4,W9,W10	14			ALPS
19	0502080000 7			RK12L12C-F30-C1-M N503			W8	1			ALPS
20	050209A50K3	potentiometer		C4530G-B1-20CH-50 KA3+3			1W5,2W5,3W5,4W5,W7	5			改用艾华
21	050209B100 D	potentiometer		C3006G-A1-20CH-10 0KB			W12	1			改用艾华
22											
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									外协单位	自制	
1	02AR401D0035 00	PCB	AR401XXXXX D03	The board of raw material		Wreath oxygen resin		1			Use AR401
2	050209B100C	potentiome ter		100KBX2- 双联交叉 - 行程 45mm			W1	1			
3	0509XH-5A++	The Row puts		小插针-XH-5A 针距 2.5mm			5JP1	1			
4											
5	01CA236D+++ ++	PCB	AR501XXXXX D03	070jack		plastic	JACK1	1			
6	0509XH-3A++	The Row puts		小插针-XH-3A 针距 2.5mm			2	2			
7											

8		PCB	AR501XXXX D06								
9	0509XH-4W++	The Row puts		小插针-XH-4W 针距 2.5mm			JP10,JP11,JP12	3			
10	0505KG00013			2X2the switch that has short handle			K4,K5,K6	3			
11											
12		PCB	AR401XXXX D06								
13	0509XH-3A++	The Row puts		小插针-XH-3A 针距 2.5mm			11 , 12	2			
14	0509CK6.35 3						4J2 , 4J3	2			
15											
16		PCB	AR501XXXX D07								
17	0509XH-6W++	The row puts		小插针-XH-6W 针距 2.5mm			JP1	1			

18	01CA225-1+++ +		SKCA225-1	Carnon jack			CHINA L , CHINA R	2			
19		PCB	AR501XXXXX D05					1			
21	0509XH-3A++	The row puts		小插针-XH-3A 针距 2.5mm			10	1			
22	0509CK6.35 2						4J1	1			
23											
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