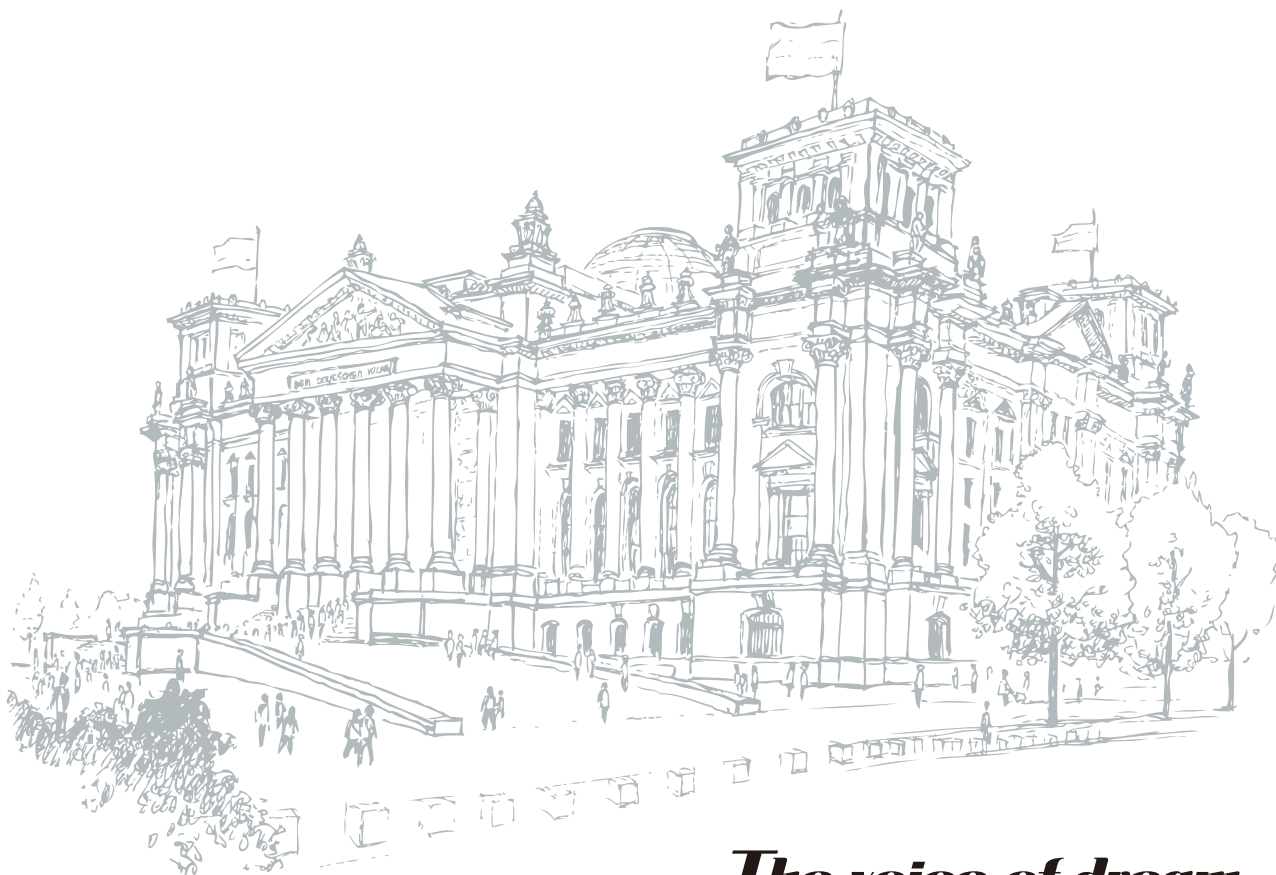




百达丽声

Operation Instruction



The voice of dream



PROFESSIONAL SOUND

- Multi-purpose high-quality full-range speakers
- High performance subwoofers



百达丽声

Thank you for purchasing PIETTA.LIS speakers, it is the integration of the latest technology and the best materials, professional speakers. Product performance, positioning fully consider the needs and characteristics of the use of premises as well as the user's needs and characteristics to design. We hope that our products will give you a new feeling.

Safety Precautions

When set up, install and use the product, you need to follow these important safety measures:

- 1, we in the production, sale, distribution process, and in lifting related links may have potentially dangerous, and anyone who needs to pay attention to their own safety. Our buyers must be qualified or qualified professionals engaged in the work of these devices accordingly.
- 2, we strongly recommend that full attention to current national, provincial and local rules, the installer is responsible for ensuring sound installation consistent with these regulations.
3. If you find any danger or where insufficient, must immediately remedy or handled accordingly.
- 4, in the flow of occasions show, the speaker placed directly on the floor or on a shelf, be sure to ensure that the floor or shelves are sturdy and safe, do not endanger the safety of placing too high.
5. Do not place embedded in the trapeze trapeze hanging over bearing weight of the speaker.
- 6, lines and rack layout, use a wire and secure cable to avoid the actor, the staff, the audience fell on the cable or rack and involves the speaker system.
7. Do not place the speakers adjacent to the magnetic field sensitive devices, such as CRT monitors, televisions or data storage materials.
- 8 speakers produce sound pressure within the normal coverage is likely to bring permanent hearing damage, so you need to keep the sound pressure within 105dB SPL.
9. For service, please contact your nearest PIETTA.LIS dealer.

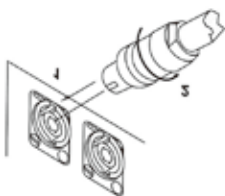
Prevent damage to speakers

Generally, when using high-power amplifier in the case of not continuing clipping drive speakers better, can also be interpreted as a lack of power amplifier overload may damage the speakers more - because of severe clipping signal energy is far more than one not rated power energy station power amplifier clipping output.

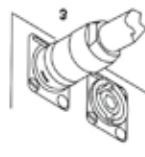
When working long hours, with a single processor is connected in front of the amp is very important, but need to be considered quasi input values slicer, if you do not clear this value, please contact us and we will be happy to help you out.

Connection Description

Our professional boxes are used two NEUTRIK NL4MP terminal, this terminal is designed for speakers designed primarily for safety and reliability. When you use your speakers, insert seat to any public SPEAKER socket and rotate to the locked position can be used. And connect two terminals to facilitate connection to another speaker, a terminal pin is not used, and then, the two terminals can be used for input or output.

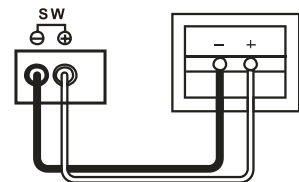


Picture 1



Picture 2

The connected power amplifier
(Power amplifier output terminal)

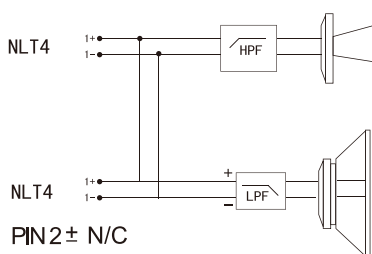


Picture 3

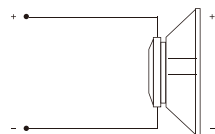
Wire connection

To ensure quality and minimum power loss, you need to divide by the number of speakers per channel according to the number of speakers, speaker impedance, wire length thick enough speaker wire selection, a single set and connect the speaker impedance is equal to the total impedance of the speaker alone.

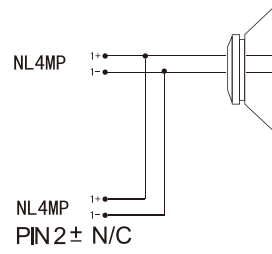
Connection diagram:



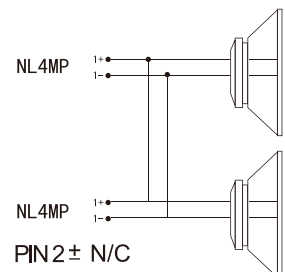
SERIES



AW-SERIES



AW-SERIES



AW-SERIES



感谢您购买PIETTA.LIS音箱，它是融合了最新技术和最好材料的专业音箱。产品的性能、定位完全考虑使用场所的需求与特点以及使用者的需求与特点来设计。希望我们的产品能给您一种全新的感觉。

安全预防措施

当搭建、安装和使用产品时，需要遵循以下这些重要安全措施：

- 1、我们在生产、销售、分发的过程中，在吊装相关环节都可能存在潜在的危險，任何人都需要注意自身的安全。我们的采购商必须是有资格或是具有资格从事这些设备相应工作的专业人士。
- 2、我们强烈建议充分重视当前国家，省区及地方规则，安装者有责任确保音响的安装与这些法规相一致。
- 3、假如发现任何危險或不足的地方，必须立即补救或做相应的处理。
- 4、在流动场合演出中，把音箱直接放在地板或架子上时，务必保证地板或架子是结实和安全的，请勿放置得太高而危及安全。
- 5、场所预埋的吊杆请勿吊挂超过吊杆承重量的音箱。
- 6、线路及架子的布置时，要用线扎固定线缆，以避免演员、工作人员、观众跌倒在线缆或架子上并牵扯到音箱系统。
- 7、请勿将扬声器放置在对磁场敏感的设备旁，比如CRT显示器、电视机或数据存贮材料等。
- 8、音箱产生的声压在正常覆盖范围内有可能给听力带来永久性的伤害，因此需要将声压保持在105dB SPL以内。
- 9、如需服务，请联系离您最近的PIETTA.LIS经销商。

预防损坏音箱

通常，用大功率的功放在未持续削波的情况下驱动音箱时效果更好，也可理解成一台功率不足的功放过载时更有可能损坏音箱-因为严重削波信号的能量远远超过一台未削波的大功率功放输出的额定功率能量。长时间工作时，用一台处理器连接在功放前面是非常重要的，但是需算准输入限幅器的数值，假如您不明确这个数值，请联系我们，我们很乐意帮您解决。

连接说明

我们的专业箱均采用了2只NEUTRIK NL4MP端子，这种端子是专为音箱设计的，主要是为了安全与可靠性。使用您的音箱时，插入公座至任意SPEAKER插座里，并旋转至锁定位置即可使用。两个并接的端子便于接至另外一个音箱，未用端子的引脚也是并接的，两个端子都可用于输入或输出。

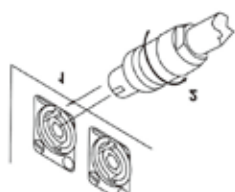


图1

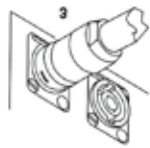


图2

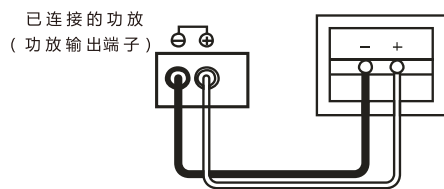
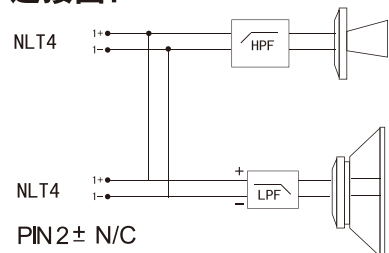


图3

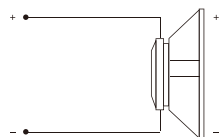
线材与连接:

为确保音质与最小功率损耗，需要根据每通道扬声器数量，扬声器阻抗、线材长度选用足够粗的音箱线材，单组并接的扬声器总阻抗等于单只扬声器的阻抗除以扬声器的数量。

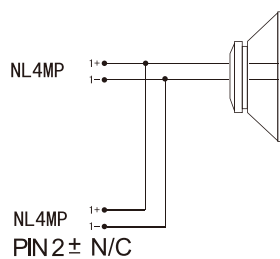
连接图:



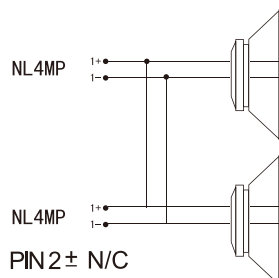
全频专业箱



重低音音箱



重低音音箱



重低音音箱



百达丽声

● List of professional speaker tec (专业音箱技术性能指标一览表)

Technical index (技术指标)	KH-08	KH-10	KH-12	KH-15
Rated power (AES testing standards) 额定功率 (AES测试标准)	150W Nominal(额定) 300W Peak value (峰值)	250W Nominal(额定) 500W Peak value (峰值)	350W Nominal(额定) 700W Peak value (峰值)	500W Nominal(额定) 1000W Peak value (峰值)
Impedance 阻抗	8ohm	8ohm	8ohm	8ohm
Frequency response (-6d B anechoic chamber test) 频率响应 (-6d B消声室测试)	60Hz-16KHz	52Hz-18KHz	50Hz-18KHz	48Hz-20KHz
Sensitivity 灵敏度	95dB W/M	96dB W/M	97dB W/M	99dB W/M
Directivity (-6d B) (H° x V°) 指向性 (-6d B) (H° x V°)	90° *60° (1200Hz)	90° *60° (1200Hz)	90° *60° (1200Hz)	90° *60° (1200Hz)
Tweeter 高频单元	1.34"*1	1.75"*1	1.75"*1	1.75"*1
Woofers 低频单元	8"*1	10"*1	12"*1	15"*1
Crossover 分频器	1500Hz Passive crossover/无源分频	2000Hz Passive crossover/无源分频	1800Hz Passive crossover/无源分频	1700Hz Passive crossover/无源分频
Hanging points 吊挂点	The standard horizontal and vertical M10 Hanging pieces. 标准横、竖M10吊件			
Connectors 接插件	NEUTRIK NL4MP			
Bracket 支架	/		Ø 35mm底座	
Cabinet Material 箱体材质	Russian high-density birch plywood (俄罗斯高密度桦木夹板),15mm、18mm、25mm			
Painting process 喷漆工艺	Water-based spill point painting/水性洒点喷漆			
Dimensions (W * H * D) 尺寸 (W*H*D)	265*300*266(mm)	300*500*320(mm)	365*600*385(mm)	430 * 690*420(mm)
Net weight 净重	11.3KG	15KG	24KG	25.8KG



百达丽声

● List of professional speaker tec (专业音箱技术性能指标一览表)

Technical index (技术指标)	KV-10	KV-12	KX-08	KX-10
Rated power (AES testing standards) 额定功率 (AES测试标准)	250W Nominal(额定) 500W Peak value (峰值)	350W Nominal(额定) 700W Peak value (峰值)	150W Nominal(额定) 300W Peak value (峰值)	250W Nominal(额定) 500W Peak value (峰值)
Impedance 阻抗	8ohm	6ohm	8ohm	6ohm
Frequency response (-6d B anechoic chamber test) 频率响应 (-6d B消声室测试)	60Hz-20KHz	51Hz-20KHz	85Hz-18KHz	55Hz-18KHz
Sensitivity 灵敏度	97dB W/M	98dB W/M	94dB W/M	95dB W/M
Directivity (-6d B) (H° x V°) 指向性 (-6d B) (H° x V°)	80° * 70° (1200Hz)	90° * 60° (1200Hz)	90° * 90° (1200Hz)	90° * 90° (1200Hz)
Tweeter 高频单元	1.5"*1	1.5"*1	1.5"*1	1.75"*1
Woofers 低频单元	10"*1	12"*1	8"*1	10"*1
Crossover 分频器	1800Hz Passive crossover/无源分频	1800Hz Passive crossover/无源分频	1500Hz Passive crossover/无源分频	2000Hz Passive crossover/无源分频
Hanging points 吊挂点	The standard horizontal and vertical M10 Hanging pieces. 标准横、竖M10吊件			
Connectors 接插件	NEUTRIK NL4MP			
Bracket 支架	∅ 35mm底座		/	
Cabinet Material 箱体材质	Russian high-density birch plywood (俄罗斯高密度桦木夹板), 15mm、18mm、25mm			
Painting process 喷漆工艺	Water-based spill point painting/水性洒点喷漆			
Dimensions (W * H * D) 尺寸 (W*H*D)	340*525*306(mm)	370*580*374(mm)	230*475*257(mm)	295*555*340(mm)
Net weight 净重	13.1KG	20KG	10KG	15.7KG



百达丽声

● List of professional speaker tec (专业音箱技术性能指标一览表)

Technical index (技术指标)	KX-12+	KX-15+	KT-15	KR-12
Rated power (AES testing standards) 额定功率 (AES测试标准)	400W Nominal(额定) 800W Peak value (峰值)	500W Nominal(额定) 1000W Peak value (峰值)	400W Nominal(额定) 800W Peak value (峰值)	500W Nominal(额定) 1000W Peak value (峰值)
Impedance 阻抗	8ohm	8ohm	8ohm	8ohm
Frequency response (-6d B anechoic chamber test) 频率响应 (-6d B消声室测试)	50Hz-20KHz	48Hz-18KHz	45Hz-20KHz	45Hz-20KHz
Sensitivity 灵敏度	97dBW/m	99dBW/m	99dB W/M	98dB W/M
Directivity (-6d B) (H° x V°) 指向性 (-6d B) (H° x V°)	90°x60°(HxV)	100°x90°(HxV)	70°*100° (HxV)	70°*60° (HxV)
Tweeter 高频单元	1.75"*1	3"*1	2.56"*1	1.5"*1
Woofers 低频单元	12"*1	15"*1	15"*1	12"*1
Crossover 分频器	2000Hz Passive crossover/无源分频	1800Hz Passive crossover/无源分频	1500Hz Passive crossover/无源分频	1800Hz Passive crossover/无源分频
Hanging points 吊挂点	The standard horizontal and vertical M10 Hanging pieces. 标准横、竖M10吊件			
Connectors 接插件	NEUTRIK NL4MP			
Bracket 支架	∅ 35mm底座			
Cabinet Material 箱体材质	Russian high-density birch plywood (俄罗斯高密度桦木夹板), 15mm、18mm、25mm			
Painting process 喷漆工艺	Water-based spill point painting 水性洒点喷漆			
Dimensions (W * H * D) 尺寸 (W*H*D)	398*573*370 (mm)	470*690*440 (mm)	410*680*440(mm)	370*600*410 (mm)
Net weight 净重	22.5KG	33.8KG	23.5KG	21.3KG



百达丽声

● List of professional speaker tec (专业音箱技术性能指标一览表)

Technical index (技术指标)	KF-10	KF-12	TW-10	TW-15
Rated power (AES testing standards) 额定功率 (AES测试标准)	300W Nominal(额定) 600W Peak value (峰值)	350W Nominal(额定) 700W Peak value (峰值)	400W Nominal(额定) 800W Peak value (峰值)	600W Nominal(额定) 1200W Peak value (峰值)
Impedance 阻抗	8ohm	8ohm	16ohm	8ohm
Frequency response (-6d B anechoic chamber test) 频率响应 (-6d B消声室测试)	50Hz-20KHz	47Hz-20KHz	65Hz-20KHz	40Hz-150Hz
Sensitivity 灵敏度	95dB W/M	98dB W/M	99dB W/M	96dB W/M
Directivity (-6d B) (H° x V°) 指向性 (-6d B) (H° x V°)	70°*100° (1200Hz)	70°*100° (1200Hz)	80°*10°	/
Tweeter 高频单元	1.5"*1	1.5"*1	1.75"*2	/
Woofers 低频单元	10"*1	12"*1	10"*2	15"*1
Crossover 分频器	1800Hz Passive crossover/无源分频	1800Hz Passive crossover/无源分频	/	
Hanging points 吊挂点	The standard horizontal and vertical M10 Hanging pieces. 标准横、竖M10吊件		/	
Connectors 接插件	NEUTRIK NL4MP			
Bracket 支架	/			
Cabinet Material 箱体材质	Russian high-density birch plywood (俄罗斯高密度桦木夹板),15mm、18mm、25mm			
Painting process 喷漆工艺	Water-based spill point painting/水性洒点喷漆		聚脲喷漆	
Dimensions (W * H * D) 尺寸 (W*H*D)	300*533*340(mm)	360*600*382(mm)	500*355*275 (mm)	446*500*560 (mm)
Net weight 净重	15KG	19KG	16.7KG	23KG



百达丽声

● List of professional speaker tec (专业音箱技术性能指标一览表)

Technical index (技术指标)	AW-12	AW-115	AW-118	AW-218
Rated power (AES testing standards) 额定功率 (AES测试标准)	350W Nominal(额定) 700W Peak value (峰值)	600W Nominal(额定) 1200W Peak value(峰值)	700W Nominal(额定) 1400W Peak value(峰值)	1500W Nominal(额定) 3000W Peak value (峰值)
Impedance 阻抗	4ohm	8ohm	8ohm	4ohm
Frequency response (-6d B anechoic chamber test) 频率响应 (-6d B消声室测试)	31Hz-300Hz	50Hz-500Hz	45Hz-500Hz	45Hz-500Hz
Sensitivity 灵敏度	85dB W/M	98dB W/M	98dB W/M	99dB W/M
Directivity (-6d B) (H° x V°) 指向性 (-6d B) (H° x V°)	/	/	/	/
Tweeter 高频单元	/	/	/	/
Woofer 低频单元	12"*1	15"*1	18"*1	18"*2
Crossover 分频器	/	/	/	/
Hanging points 吊挂点	The standard horizontal and vertical M10 Hanging pieces. 标准M8吊件			
Connectors 接插件	/	NEUTRIK NL4MP		
Bracket 支架	/			
Cabinet Material 箱体材质	Russian high-density birch plywood (俄罗斯高密度桦木夹板),15mm、18mm、25mm			
Painting process 喷漆工艺	Water-based spill point painting/水性洒点喷漆			
Dimensions (W * H * D) 尺寸 (W*H*D)	526*385*329(mm)	470*690*495(mm)	580*580*690(mm)	1125*580*690(mm)
Net weight 净重	22KG	37KG	42KG	89KG



百达丽声

● List of professional speaker tec (专业音箱技术性能指标一览表)

Technical index (技术指标)	AW-218N	AW-221N	AW-MG81	AW-MG82
Rated power (AES testing standards) 额定功率 (AES测试标准)	2600W Nominal(额定) 5200W Peak value (峰值)	3000W Nominal(额定) 6000W Peak value (峰值)	700W Nominal(额定) 1400W Peak value (峰值)	1400W Nominal(额定) 5600W Peak value (峰值)
Impedance 阻抗	4ohm	4ohm	8ohm	4ohm
Frequency response (-6d B anechoic chamber test) 频率响应 (-6d B消声室测试)	27Hz-120Hz	25Hz-120Hz	42Hz-200Hz	38Hz-200Hz
Sensitivity 灵敏度	100dB W/M	100dB W/M	97dB W/M	99dB W/M
Directivity (-6d B) (H° x V°) 指向性 (-6d B) (H° x V°)	/			
Tweeter 高频单元	/			
Woofer 低频单元	18"*2	21"*2	18"*1	18"*2
Crossover 分频器	/			
Hanging points 吊挂点	/			
Connectors 接插件	NEUTRIK NL4MP			
Bracket 支架	/			
Cabinet Material 箱体材质	Russian high-density birch plywood (俄罗斯高密度桦木夹板),15mm、18mm、25mm			
Painting process 喷漆工艺	Water-based spill point painting/水性洒点喷漆			
Dimensions (W * H * D) 尺寸 (W*H*D)	1160*580*920 (mm)	1302*630*920 (mm)	557*757*610(mm)	995*627*740 (mm)
Net weight 净重	97KG	104KG	51KG	84KG



百达丽声

● List of professional speaker tec (专业音箱技术性能指标一览表)

Technical index (技术指标)	KC-10	KC-12	AW-218Pro
Rated power (AES testing standards) 额定功率 (AES测试标准)	250W Nominal(额定) 500W Peak value (峰值)	400W Nominal(额定) 800W Peak value (峰值)	1600W Nominal(额定) 3200W Peak value (峰值)
Impedance 阻抗	8ohm	8ohm	4ohm
Frequency response (-6d B anechoic chamber test) 频率响应 (-6d B消声室测试)	55Hz-20KHz	53 Hz-20KHz	45Hz-500Hz
Sensitivity 灵敏度	95dB W/M	97dB W/M	99dB W/M
Directivity (-6d B) (H° x V°) 指向性 (-6d B) (H° x V°)	100°*70° (HxV)	100°*70° (HxV)	/
Tweeter 高频单元	1.34"*1	1.75"*1	/
Woofers 低频单元	10"*1	12"*1	18"*2
Crossover 分频器	1800Hz Passive crossover/无源分频	1800Hz Passive crossover/无源分频	/
Hanging points 吊挂点	The standard horizontal and vertical M10 Hanging pieces 标准横、竖M10吊件		/
Connectors 接插件	NEUTRIK NL4MP		
Bracket 支架	Ø 35mm底座		/
Cabinet Material 箱体材质	/		Russian high-density birch plywood (俄罗斯高密度桦木夹板),15mm、18mm、25mm
Painting process 喷漆工艺	Water-based spill point painting 水性洒点喷漆		
Dimensions (W * H * D) 尺寸 (W*H*D)	300*535*340(mm)	360*600*382 (mm)	1100*580*780(mm)
Net weight 净重	16KG	22.5KG	99KG



The voice of dream

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