

FBW

FOR BETTER WORLD

PROFESSIONAL SOUND REINFORCEMENT



CTS1

Integrated Conference Sound System

- Integrated design of audio system and conference table, no rack required
- One-button activation for conference mode
- Embedded design for conference microphones
- Echo cancellation feature with both local and remote conference modes
- Automatic gain control functionality
- System includes two handheld microphones
- External USB port
- Optional wireless/wired ultra-thin wall-mounted speakers

Technical Specification			
CTS1 Conference Table	Modular design with customizable seating capacity	CTS1P	Embedded Switch
		Interface	USB 3.0
Standard Size (8 Seats)	3600mm (L) x 1400mm (W) x 760mm (H)	Dimension	71mm*71mm*40mm
Customization Options	For every two seats added or removed, the length adjusts by 800mm	Weight	142g
		CTS1C	Microphone Base
CTS1W	Integrated Conference Table Host	Frequency Response	80Hz~20kHz ±1dB
Host Transmit Channel	UFH 16个	S/N	>112dB(A-weighted)
Host Receiving Channel	UFH 32个	Distortion	≤0.01%@1kHz
Transmit Power	≤19dBm	Max Input	600mV
Input Gain	0dB/-10dB/-20dB	Max Output	1.6dBV
Input Voltage	AC 100V-240V 50/60HZ	Dimension	Ø66mm*98mm
Dimension	410mm*145mm*44mm	Weight	122g
Weight	1.5kg		



CTS1C+CM1200

Microphone Base+ Square Tube Conference Microphone

- Meeting desk integrated design
- Desk-mounted conference microphones
- One-click meeting activation

Technical Specification			
CTS1C	Microphone Base	CM1200	Square Tube Conference
Frequency Response	80Hz~20kHz ±1dB		Microphone
S/N	>112dB(A-weighted)	Frequency Response	30Hz~20KHz
Distortion	≦0.01%@1kHz	Output Impedance	200 Ω
Max Input	600mV	Sensitivity	-45dB
Max Output	1.6dBV	Directivity	Cardioid
Dimension	Ø66mm*98mm	Energy Exchange Mode	Condenser
Weight	122g	Voltage	Phantom 48V
		Length of Microphone	195mm
		Weight	157g



CTS1C+CM1100

Microphone Base+desk-mounted Gooseneck Conference Microphone

- Meeting desk integrated design
- Desk-mounted conference microphones
- One-click meeting activation

Technical Specification			
CTS1C	Microphone Base	CM1100	Desk-mounted Gooseneck
Frequency Response	80Hz~20kHz ±1dB		Conference microphone
S/N	>112dB(A-weighted)	Frequency Response	30Hz ~ 20kHz
Distortion	≦0.01%@1kHz	Output Impedance	200 Ω
Max Input	600mV	Sensitivity	-45dB
Max Output	1.6dBV	Directivity	Cardioid
Dimension	Ø66mm*98mm	Output	XLR
Weight	122g	Energy Exchange Mode	Condenser
		Voltage	Phantom 48V
		Length of Microphone	400mm
		Weight	85.5g



CTS1W

Integrated Conference Table Host

- Suitable for dedicated meeting rooms
- Modular design easy to install and assemble
- UHF mode to achieve minimalist installation
- Broadcast module has 16 channels, wireless speakers align and follow frequency automatically
- Dual-microphone with 32 channels and infrared communication
- Built-in DSP with feedback suppression and EQ functions
- Access to matrix signals and with a three-stage attenuator for no distortion during large signal input

Technical Specification	
Host Transmit Channel	UHF 16个
Host Receiving Channel	UHF 32个
Transmit Power	≤ 19dBm
Input Gain	0dB/-10dB/-20dB
Input Voltage	AC 100V-240V 50/60HZ
Dimension	410mm*145mm*44mm
Weight	1.5kg



CM100

Wired Conference Discussion System

- Integrated transmission of control and audio signals between the main unit and conference units
- One main unit can support up to 80 conference units, expandable to 250 units
- System can operate independently or connect to a computer for various conference management functions (rotation mode, restriction mode, free mode, etc.)
- 4.3-inch color touchscreen for easy settings of system, conference mode, system volume, microphone management, and chairperson management
- Equipped with DATA network control interface; control cable extendable up to 1000 meters
- Number of microphones speaking simultaneously can be set to 1-9 or set to open speaking; USB recording function available
- 3.5mm headphone monitoring jack
- Complies with international conference equipment and safety standards, UL and CE certified
- Suitable for various venues including government bodies, corporate meetings, boardrooms, and multifunctional halls

Technical Specification	
Frequency Response	40Hz～16kHz
THD	<0.1%
Power Consumption	350W
Dimension	483*320*100mm
Weight	11.8kg



CM100C/CM100D

Wired Conference Microphone (C = Chairperson, D = Delegate)

- Resistant to electromagnetic and mobile phone interference
- Condenser microphone boom with indicator for microphone status
- Unidirectional design with windscreen
- Automatic shutdown feature for microphone
- Unlimited number of chairperson units can be placed anywhere in the loop

Technical Specification	
Frequency Response	50Hz ~ 16kHz
Sensitivity	-44dB (±2dB)
Reference Speaking Distance	15cm ~ 60cm
Boom Length	420mm
External Dimension	190*120*47mm
Weight	0.7kg



CM200

Wireless Conference System

- Fully digital wireless shared host control system
- UHF high-fidelity, high signal-to-noise ratio, zero-latency voice transmission
- Multiple conference speaking modes: alternating, limiting, chairperson, etc.
- A single host can support up to 1000 speech units simultaneously
- Up to 4 microphones can be activated simultaneously
- Optional intelligent charging case
- Suitable for small to medium-sized government and enterprise meetings, board meetings, multi-function halls, etc.

Technical Specification	
Communication Way	UHF wireless(Single)
Channel Number	5 CHA(1 as Main , 4 as representatives)
Frequency Range	640MHz ~ 669.75MHz
Modulation	FSK
Receiver Sensitivity	-100dBm
Radio Power	≤ +6dBm
Frequency Deviation	<0.002
Data Rate	100KBPS
Power Supply	DC12V ~ 15V , 1.0A ~ 2.0A
Power Consumption	< 7W
Operating Temperature	-10℃ ~ 40℃
Dimensions	483*380*100mm
Weight	7.2kg



CM200C/CM200D

Wireless Conference Microphone (C=Chairperson, D=Delegate)

- OLED display shows ID number and channel number
- Features new anti-feedback, unidirectional, high-sensitivity capacitive microphone head
- The capacitive microphone stem has an aperture to indicate operating status
- Ultra-low power consumption, over 8 hours of continuous speaking time, over 20 hours standby time
- Compatible with standard AA batteries and rechargeable lithium batteries
- The system features automatic recovery function, supports hot swapping
- Each conference unit has a unique ID number

Technical Specification	
Communication Method	UHF Wireless Method (Unidirectional)
Number of Channels	5 Channels (1 Chairperson Channel, 4 Delegate Channels)
Frequency Range	640MHz ~ 669.75MHz
Modulation Method	FM
Maximum Modulation Level	60K
Radiated Power	≤ +9dBm
Frequency Deviation	<0.002
Speaking Distance	10cm ~ 30cm
Power Supply	DC3.7V ~ 4.5V
Power Consumption	Standby ≤360mW; Speaking State ≤630mW
Operating Temperature	-10C ~ 40C
Microphone Rod Length	420mm
Base Dimensions	190*50*120mm
Weight	0.6kg



M10

Eight-channel Intelligent Mixer

- Automatic gain control based on the number of microphones in use
- Each channel can adjust high and low cutoff frequencies and slopes
- Channel activation and clipping indicators
- Optional output limiter with threshold and peak indicators
- 48V phantom power
- Auxiliary signal input with manual level controller
- The system can cascade up to 512 microphones

Technical Specification	
Voltage Gain Output	34dB
Output Impedance	600 Ω
Input Impedance	>2k Ω
THD	<0.1% (at +18dBV output level)
S/N	90dB (at 1 kHz)
Frequency Response	20Hz ~ 20kHz
Low Frequency Balance	20Hz ~ 300Hz
High Frequency Balance	3kHz ~ 20kHz
Power Supply	100 ~ 240V ~50/60Hz
Dimension	483*308*50mm
Weight	3.6 kg



CM1000+CM1100

Wired Conference Microphone(Gooseneck Microphone)

- CNC-machined metal stand
- Anti-electromagnetic interference technology, effectively eliminates interference noise generated by electromagnetic fields or mobile phones during use
- Switch impact noise elimination
- 48V phantom power

Technical Specification	
Frequency Response	30Hz ~ 20kHz
Output Impedance	200 Ω
Sensitivity	-45dB
Directivity	Cardioid
Output Connection	XLR
Battery Change	Capacitive
Supply Voltage	Phantom Power 48V
Stem Length	400mm
Stand Dimension	115*153*53mm
Weight	1.3kg



CM1000+CM1200

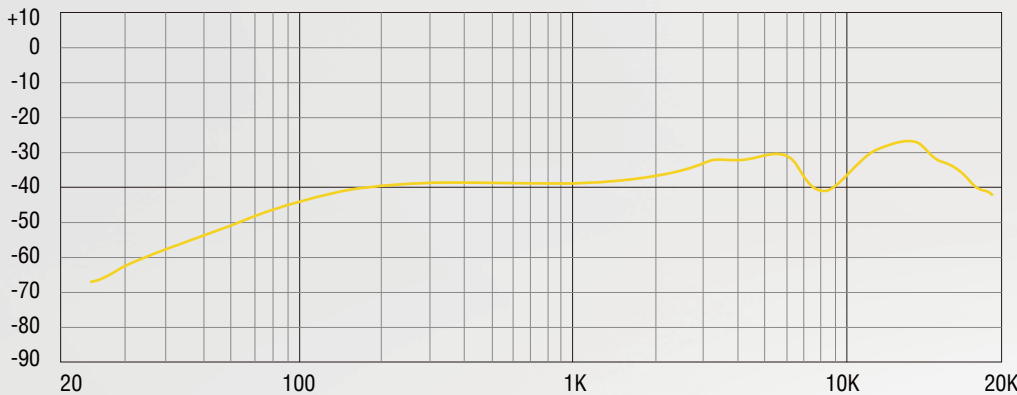
Wired Conference Microphone(Square Tube)

- Metal housing, resistant to electromagnetic and high-frequency interference
- Transducer type: capacitive
- Directionality: cardioid
- Phantom power

Technical Specification	
Frequency Response	30Hz ~ 20kHz
Output Impedance	200 Ω
Sensitivity	-45dB
Length of Microphone	400mm
Length of Cable	10m dual-core, caron male+female
Size of Stand	115*153*53mm
Weight of Microphone	1.3kg



Frequency Response

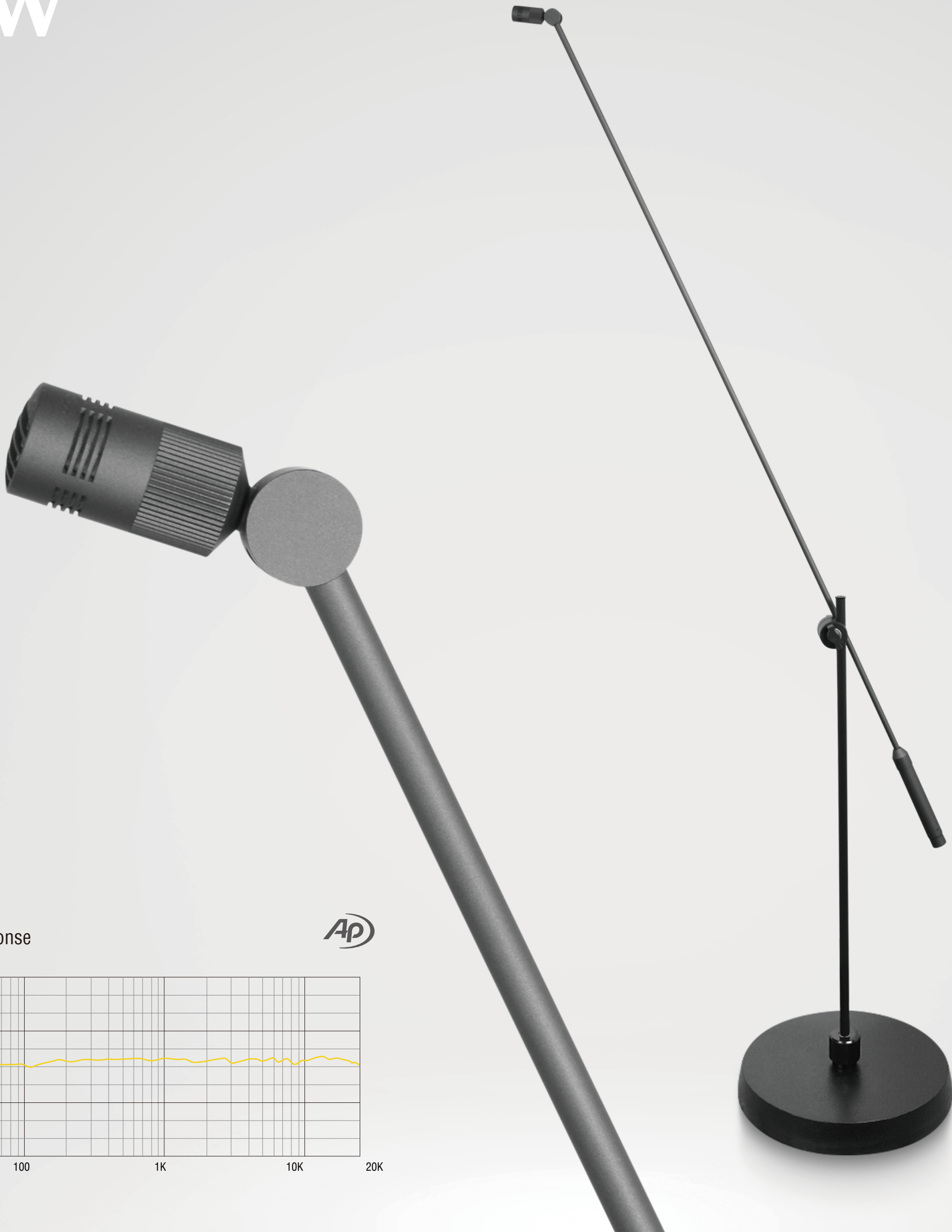


CM2000

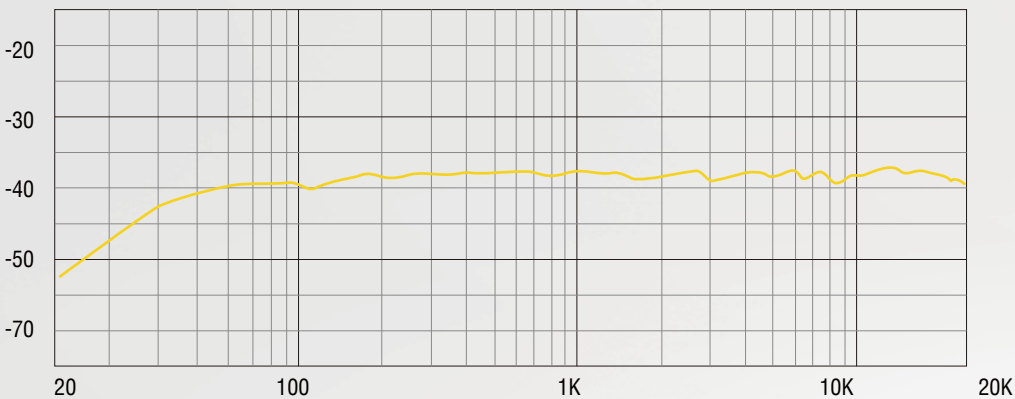
Dual Desktop Lecture Microphone

- Utilizes acoustic interference principle for excellent super-cardioid performance
- Wide and balanced frequency response range
- Durable and aesthetic metal base
- Powered by 48V phantom power
- Gold-plated XLR connector for more reliable contact

Technical Specification	
Element	Back Electret Condenser
Directionality	Cardioid
Frequency Range	40Hz ~ 16kHz
Sensitivity	-40dB ±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	500 Ω ±20% (at 1kHz)
Maximum Sound Pressure Level	130dB/115dB (T.H.D≤1% at 1kHz)
Signal-to-Noise Ratio	70dB (1kHz at 1Pa) (A-Weighted)
Power Supply	48V DC
Cable Length	3M
Output Interface	XLRM
Single Microphone Dimensions	Φ39 x 215mm
Base Dimensions	200*160*130mm
Weight	3.9kg



Frequency Response

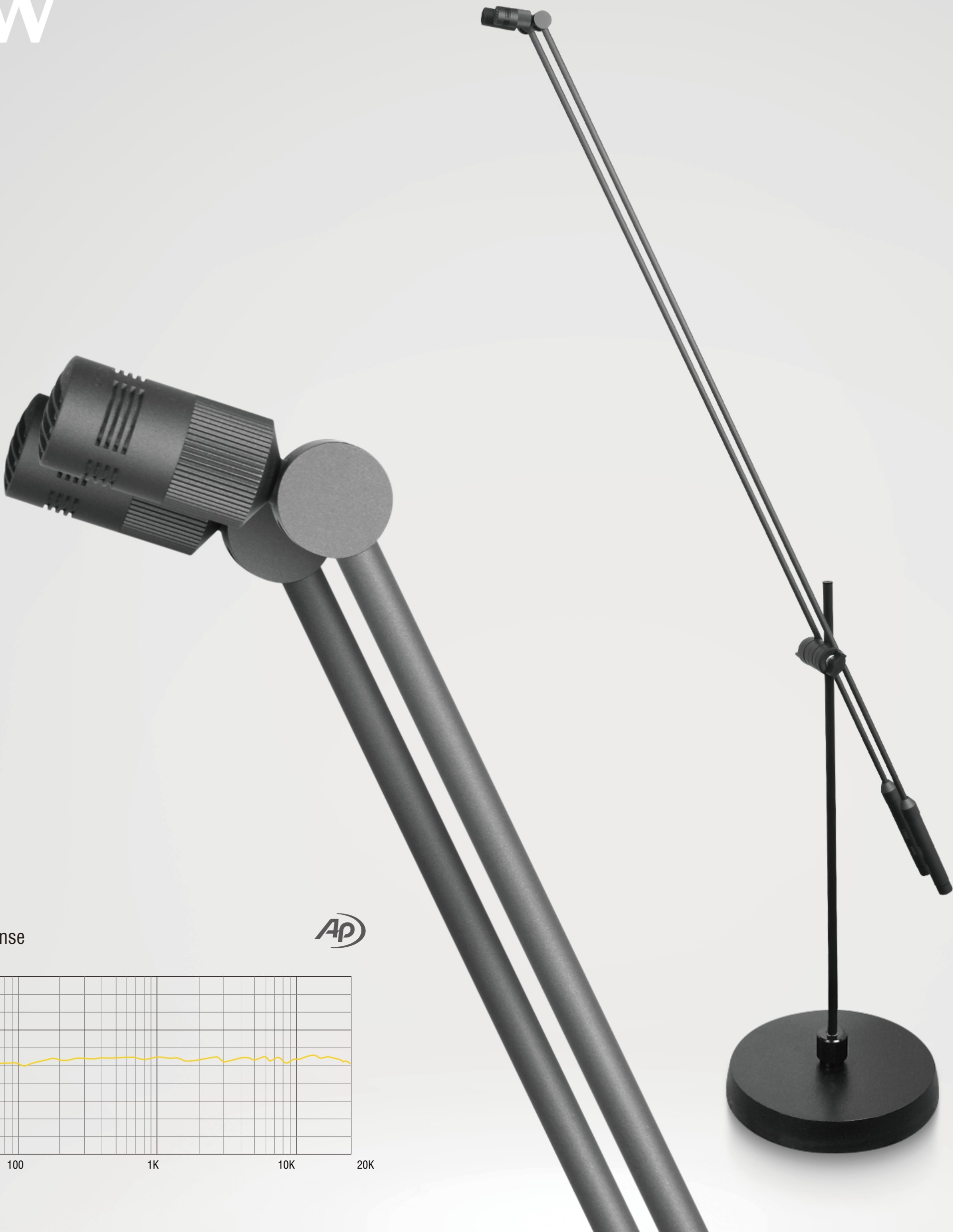


CM3000

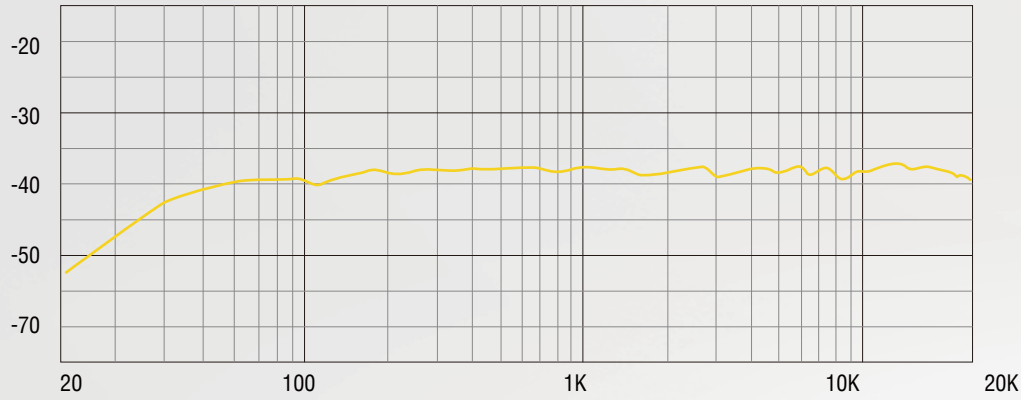
Floorstand Microphone

- Interchangeable cardioid, supercardioid and omnidirectional capsules
- Detachable capsule can be directly used with the amplifier
- Flat intermediate frequency, slightly improved high frequency, clear andreal voice
- Durable metallic painting
- 48V phantom power supply
- Gold-plated XLR connector gives more reliable contact

Technical Specification	
Element	Back electret
Directivity	Cardioid
Frequency Response	40Hz ~ 16kHz
Sensitivity	-38dB±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	500 Ω ±20% (at 1kHz)
Maximum SPL	130dB (T.H.D≤1% at 1kHz)
SNR	≥70dB (1kHz at 1Pa)
Pickup Angle	120°
Power	48V
Output Interface	XLRM
Length	1330mm
Stand Dimension	40*250mm(diameter)
Weight	4.7kg



Frequency Response



CM4000

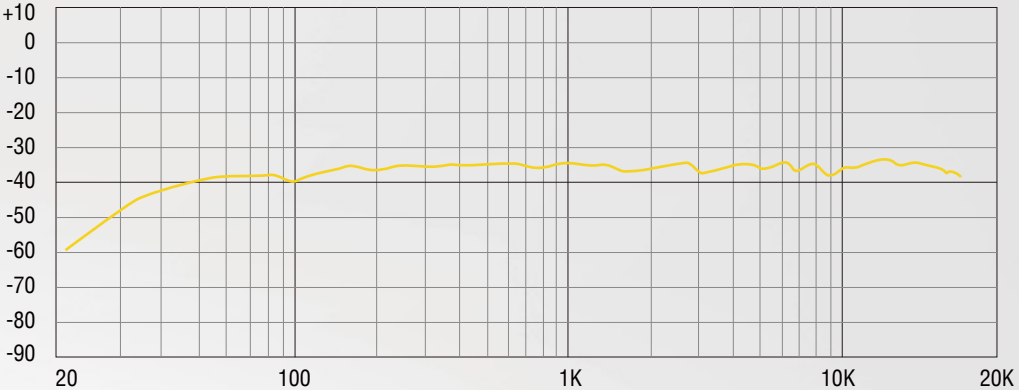
Lecturing Microphone

- Interchangeable cardioid, supercardioid, and omnidirectional capsules
- Capsules are detachable and can be directly connected to amplifiers
- Flat mid-frequency response with slight high-frequency boost, ensuring clear and natural speech
- Metal paint finish for durability and aesthetic appeal
- Powered by 48V phantom power
- Gold-plated XLR connectors for reliable contact

Technical Specification	
Element	Back Electret Condenser
Polar Pattern	Cardioid
Frequency Response	40Hz ~ 16kHz
Sensitivity (48V/1.5V)	-38dB±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	500 Ω ±20% (at 1kHz)
Max.Input SPL	130dB (T.H.D≤1% at 1kHz)
Signal to Noise Ratio	≥70dB (1kHz at 1Pa)
Pick-up Angle	120°
Power	48V
Output Interface	XLRM
Handle Length	1330mm
Dimension	Φ250*40mm
Weight	4.7kg



Frequency Response



WM250

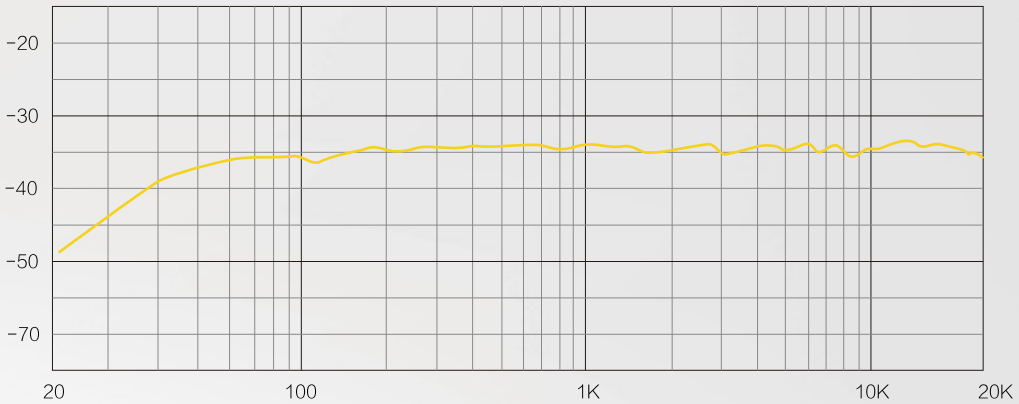
Conference Microphone

- Interchangeable cardioid, supercardioid, and omnidirectional microphone capsules
- Flat mid-range response, slight high-frequency boost for clear voice reproduction
- Metal body construction
- 48V phantom power supply
- Gold-plated XLR connector gives more reliable contact

Technical Specification	
Element	Back Electret
Directivity	Supercardioid
Frequency Response	40Hz ~ 16kHz
Sensitivity	-34dB±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	200 Ω ±20% (at 1kHz)
Max SPL	130dB (T.H.D≤1% at 1kHz)
S/N	≥78dB (1kHz at 1Pa)
Pick-up Angle	120°
Power Supply	48V
Output Interface	XLRM
Dimension	350*85mm
Weight	608g



Frequency Response

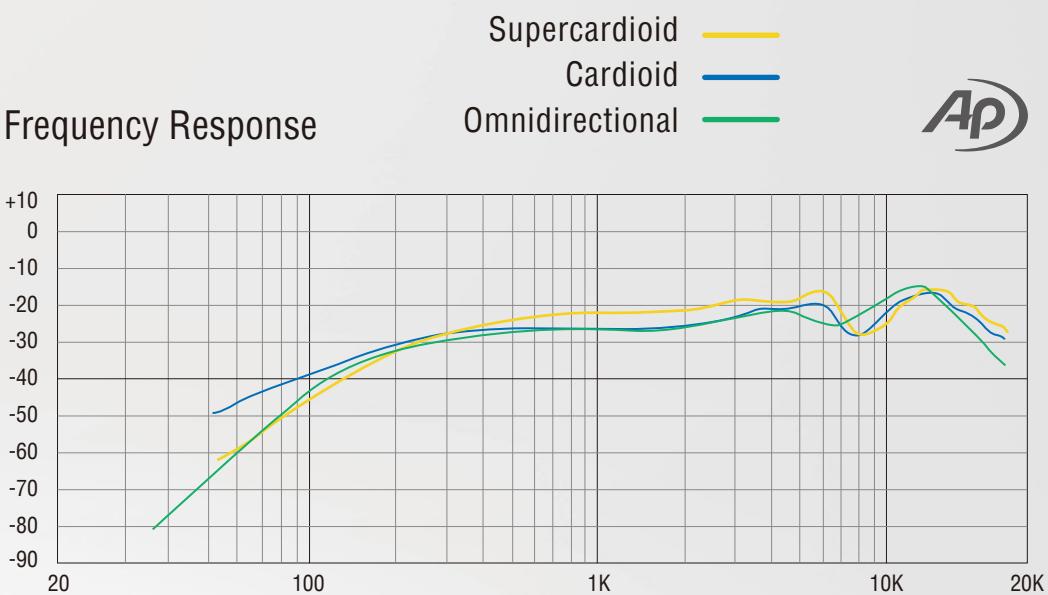


WM310

Conference Microphone

- Interchangeable cardioid, supercardioid, and omnidirectional microphone capsules
- Flat mid-range response, slight high-frequency boost for clear voice reproduction
- Metal body construction
- 48V phantom power supply Gold-plated XLR connector gives more reliable contact

Technical Specification	
Element	Back Electret
Directivity	Supercardioid
Frequency Response	40Hz ~ 16kHz
Sensitivity	-34dB±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	200 Ω ±20% (at 1kHz)
Max SPL	130dB (T.H.D≤1% at 1kHz)
S/N	≥78dB (1kHz at 1Pa)
Pick-up Angle	120°
Power Supply	48V
Output Interface	XLRM
Dimension	375*85mm
Weight	615g



WM300

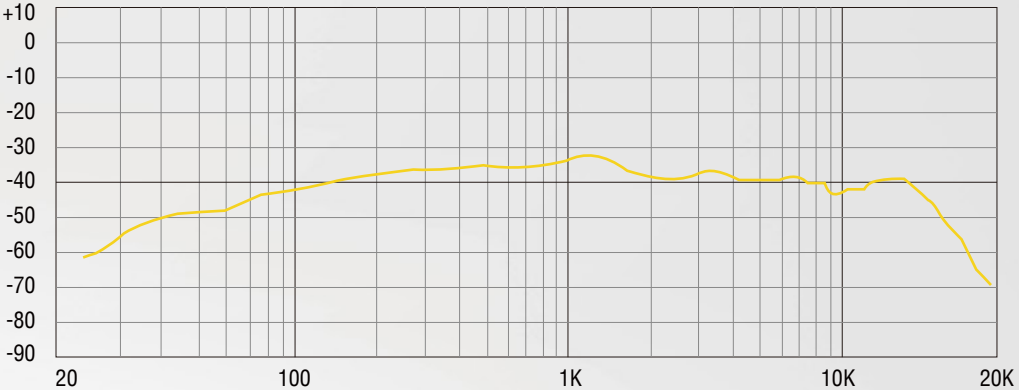
Broadcast Microphone

- Interchangeable cardioid, supercardioid, and omnidirectional microphone capsules
- Flat mid-range response, slight high-frequency boost for clearer voice reproduction
- 48V phantom power
- Gold-plated XLR connector gives more reliable contact

Technical Specification	
Element	Back electret
Directivity	Cardioid/Supercardioid/Omnidirectional
Frequency Response	40Hz ~ 16kHz (±3dB)
Sensitivity	-38dB ±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	600 Ω ±20% (at 1kHz)
Max SPL	130dB / 115dB (T.H.D≤1% at 1kHz)
S/N	70dB (1kHz at 1Pa) (A-Weighted)
Equivalent Noise Level	≤25dBa
Power Supply	48V DC 2mA
Output Interface	XLRM
Dimension	138*20mm(Diameter)
Weight	87g



Frequency Response



WM285

Interviewing Microphone

- Noise interference technology makes the perfect performance of supercardioid
- 1.5V/48V power supply
- Wide and balanced frequency response range
- Gold-plated XLR connector gives more reliable contact

Technical Specification	
Element	Back electret
Directivity	Supercardioid
Frequency Response	40Hz ~ 16kHz (±3dB)
Sensitivity	-32dB/-33dB ±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	500 Ω /600 Ω ±20% (at 1kHz)
Max SPL	130dB / 115dB (T.H.D≤1% at 1kHz)
S/N	70dB (1kHz at 1Pa) (A-Weighted)
Power Supply	48V DC / 1.5V AA / UM3,2mA
Low-frequency Attenuation	180Hz 12dB
On/Off	Flat with high pass filtering pause
Output Interface	XLRM
Dimension	285*21mm(Diameter)
Weight	134g

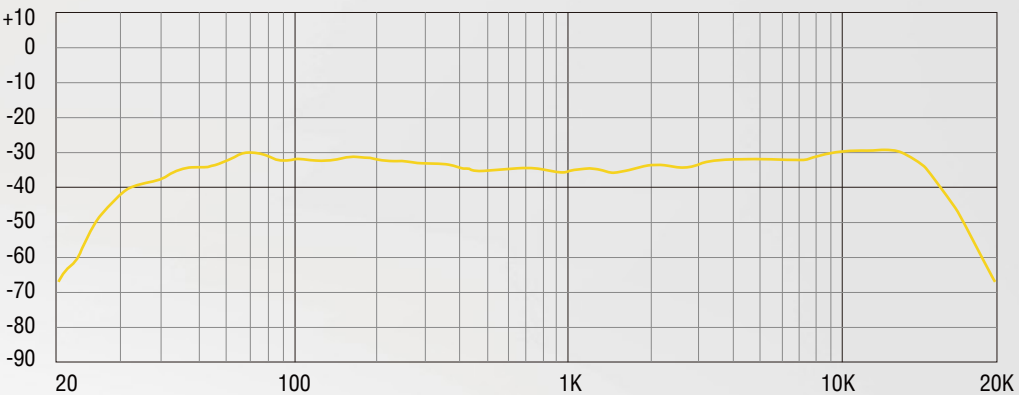
FBW



Wired Microphone



Frequency Response

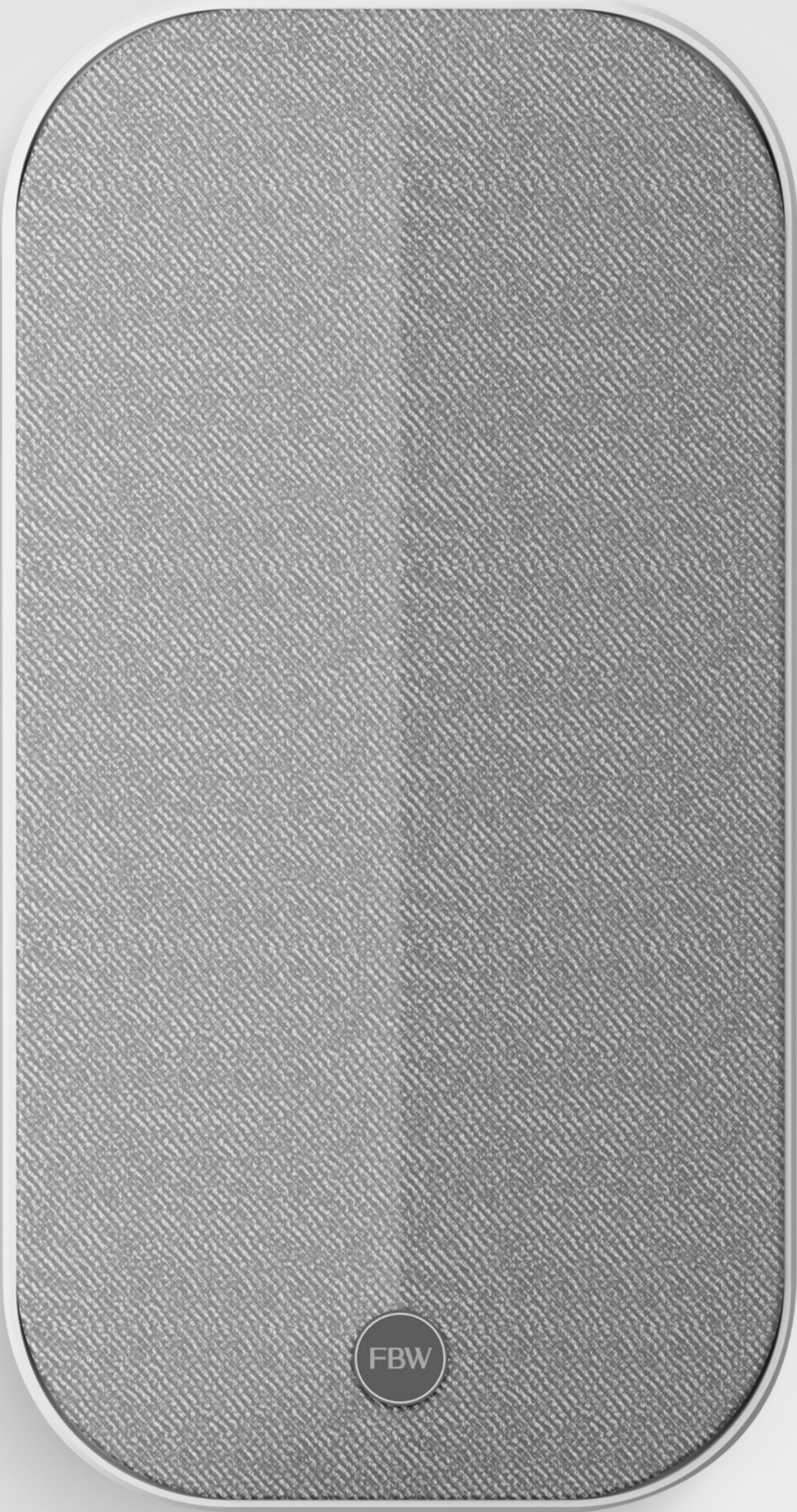


WM416

Interviewing Microphone

- Designed for video production and broadcast (ENG /EFP) , meet the outdoor audio acquisition, and other special usages
- Noise interference technology makes the perfect performance of supercardioid
- Long distance and narrow angle pickup design
- Excellent sound quality that can resist microphone noise
- Brass design makes the products beautiful and durable
- Broad balanced range of frequency response
- 48V phantom power supply

Technical Specification	
Element	Back electret
Directivity	Supercardioid
Frequency Response	40Hz ~ 16kHz (±3dB)
Sensitivity	-36dB ±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	500 Ω ±20% (at 1kHz)
Max SPL	122dB (T.H.D≤1% at 1kHz)
S/N	70dB (1kHz at 1Pa) (A-Weighted)
Equivalent Noise Level	≤25dBa
Power Supply	48V DC 2mA
Output Interface	XLRM
Dimension	250*19mm(Diameter)
Weight	165g



ArtBox

Wireless Active Wall Mounted Speaker

<ul style="list-style-type: none">· 60mm Slim Design· Fabric mesh surface, matched with spatial design perfectly· UHF wireless audio reception· Light ring indicates real-time working status

Technical Specification	
Frequency Response	60Hz~20kHz
Max SPL	>100dB
Input Voltage	100V-240V 50/60HZ
output power	55W RMS
Dimension	400*210*60mm
Weight	1.6kg



WCM100

Commercial Space Host

- All aluminum chassis design
- Bluetooth, USB, SD, 3.5mm multiple audio input
- UHF wireless module
- Type-c power supply

Technical Specification	
Sound Connection Range	>50m
Bluetooth Connection Range	10m
Wireless Microphone Connection Range	>20m
Sampling Rate	44.1khz/16bit
USB Input	Support MP3
Power Supply	Type-C 5VDC/≅500mA
Dimension	110*145*185mm(With Antenna)
Weight	445g



CM65C/CM75C/CM85C/CM98C

Infrared Touch All-in-One

- Ultra-narrow 14mm bezel design, overall black appearance, matte finish
- Front-removable high-precision infrared touch frame, touch accuracy of ±1mm, touch height <1mm, supports 20-point touch, high sensitivity
- Equipped with ops interface, dual system expansion capability; one usb interface supports computer and android usb sharing
- Network follow, supports one ethernet cable for simultaneous internet access for android and ops devices (optional)
- Multiple theme switching
- External usb, system automatically enters usb permission mode, password required for unlocking, enhancing file security
- Front dp + hdmi display interfaces, jae perfectly supports 4k60
- Dual antennas for enhanced wifi signal output
- Front/rear jae serial port optional
- Front hard key for quick system restore, convenient for system recovery

Technical Specification			
CM65C/CM75C/	Infrared Touch All-in-One	OC01	OPS computer
CM85C/CM98C		System Chipset	intel® H110-C Express
Screen Size	65"/75"/85"/ 98"	CPU Model	I5-9300H <Base Frequency - 2.4G><Overclockable> 4 Cores 8 Threads
Backlight Type	D-LED		I7-9750H <Base Frequency - 2.6G><Overclockable> 6 Cores 12 Threads
Resolution	3840*2160		I5-10200H <Base Frequency - 2.6G><Overclockable> 4 Cores 8 Threads
Brightness	≥350cd/m²	Memory	DDR4-4G;DDR4-8G;DDR4-16G;
Screen Contrast Ratio	4000:1	Front-End Display Output	DP-Max.3840 x2160
Viewing Angle	178°(H)/178°(V)		HDMI-Max.3840 x2160
Dimensions (L*W*H)	65": 1488.4*907*92.4mm /	Graphics Card Model	IntelR Integrated Graphics 630
	75": 1710*1037.6*89.6mm	Input Voltage	DC-IN 12-19V with CPU Power Whole Machine Calculation
	85":1934.8*1164.1*89.6mm /	Dimensions	180x 195x 30MM (180x 195x 42MM-Optional)
	98": 2218.4*1321.7*93.2mm	Operating System	Windows®7 Windows®8.1 Windows®10
Weight	65":38+1.5kg / 75":54+1.5kg /		
	85":70+1.5kg / 98: 110+1.5kg		

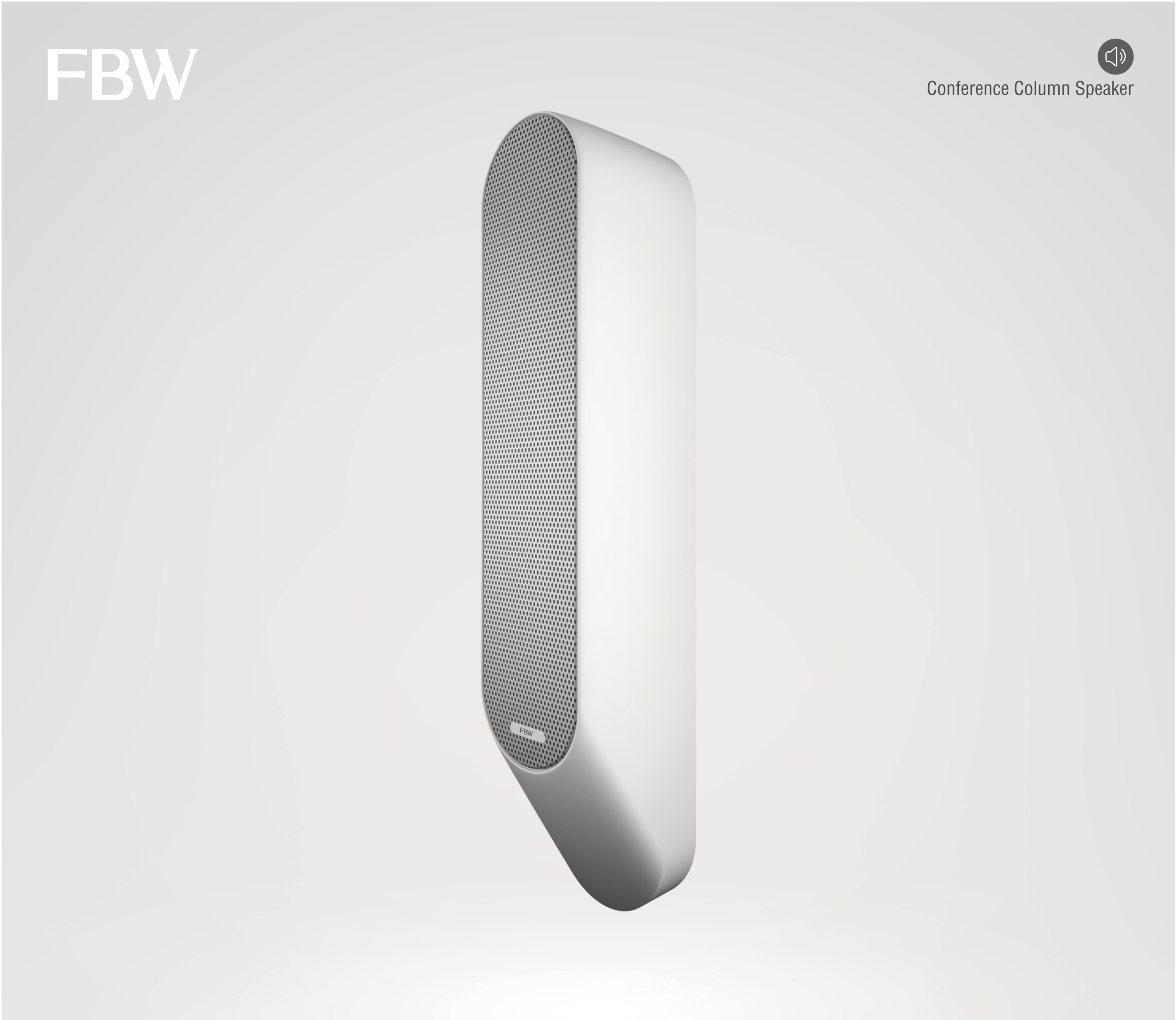


Tmic

Wireless Classroom Sound System

- Wearable lightweight design, casual wear, completely frees teachers' hands
- One teacher one microphone, clean and hygienic
- 2.4G two-way communication, no crosstalk between classrooms
- Card pairing, stable and reliable
- Charging case with 10 hours of power, worry-free endurance
- Receiver standard 86 box design, simple and quick installation
- DSP anti-howling design, clear and bright voice

Technical Specification	
Working Range	20m
operating time	6h
frequency response	70Hz-15KHz±3dB
S/N	>88dB
THD	<0.1%@1KHz
Latency	<12ms
Power Supply	Built in lithium battery
Charge Mode	Charge automatically in the charging box
Battery Capacity	100mAh
Dimension	TMIC: Ø33*15mm TMIC-B: 86*86*30mm TMIC-C: 51*51*27mm
Weight	TMIC: 11g TMIC-B: 62g TMIC-C: 34g



CS33

Three-driver Column Speaker

- ABS plastic casing
- Three-driver full-range speaker
- Built-in 60W digital amplifier and DSP anti-howling design
- Multiple audio input interfaces
- Optional wireless receiver module

Technical Specification		
Amplifier Power	55Wx2	
frequency response	150Hz ~15kHz	
Input Voltage	AC 220V	
Dimension	622*142*140mm	
Weight	4.4kg （Main Column Speaker）	4.1kg(Deputy Column Speaker)



N1

Lanyard

- Aesthetic, Lightweight, and Fashionable
- Adjustable length
- Comfortable and convenient to wear

Technical Specification	
Gray Lanyard Length	180-370mm
Gray Silicone	28*24mm
Thickness	4mm



A12R

Single Channel True Diversity Wireless Microphone Receiver

- LCD liquid crystal display
- Infrared synchronization
- Digital volume control
- Three adjustable squelches threshold
- Three adjustable powers
- Microphone battery indication
- RF and audio level indication
- BNC detachable antenna

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Receive Sensitivity	<-98dBm
Modulation Mode	FM
THD+N	<0.5%
Max Output	≥±5dBV
Gain	15±1dB
S/N	≥105dB (XLR)
Frequency Response	60Hz ~ 16kHz (±3dB)
Power Supply	DC 12V/0.5A
Working Current	<250mA
Dimension	215*45*170mm
Weight	730g



A220R

Dual Channel True Diversity Wireless Microphone Receiver

- Infrared synchronization
- Digital volume control
- Three adjustable squelches threshold
- Three adjustable powers
- Microphone battery indication
- BNC detachable antenna

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Receive Sensitivity	<-98dBm
Modulation Mode	FM
THD+N	<0.5%
Max Output	≥±5dBV
Gain	15±1dB
S/N	≥105dB (XLR)
Frequency Response	60Hz ~ 16kHz (±3dB)
Power Supply	DC 12V/0.5A
Working Current	<300mA
Dimension	483*145*44mm
Weight	1.4kg



A120R

Dual Channel Wireless Microphone Receiver

- LCD liquid crystal display
- Infrared synchronization
- Digital volume control
- Three adjustable squelches threshold
- Three adjustable powers
- Microphone battery indication
- RF and audio level indication
- BNC detachable antenna

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Receive Sensitivity	<-98dBm
Modulation Mode	FM
THD+N	<0.5%
Max Output	≥±5dBV
Gain	15±1dB
S/N	≥105dB (XLR)
Frequency Response	60Hz ~ 16kHz (±3dB)
Power Supply	DC 12V/0.5A
Working Current	<250mA
Dimension	483*145*44mm
Weight	1.4kg



A20R

Dual Channel Wireless Microphone Receiver

- LCD liquid crystal display
- Infrared synchronization
- Digital volume control
- Three adjustable squelches threshold
- Three adjustable powers
- Microphone battery indication
- RF and audio level indication
- BNC detachable antenna

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Receive Sensitivity	<-98dBm
Modulation Mode	FM
THD+N	<0.5%
Max Output	≥±5dBV
Gain	15±1dB
S/N	≥105dB (XLR)
Frequency Response	60Hz ~ 16kHz (±3dB)
Power Supply	DC 12V/0.5A
Working Current	<250mA
Dimension	212*44*145mm
Weight	775g

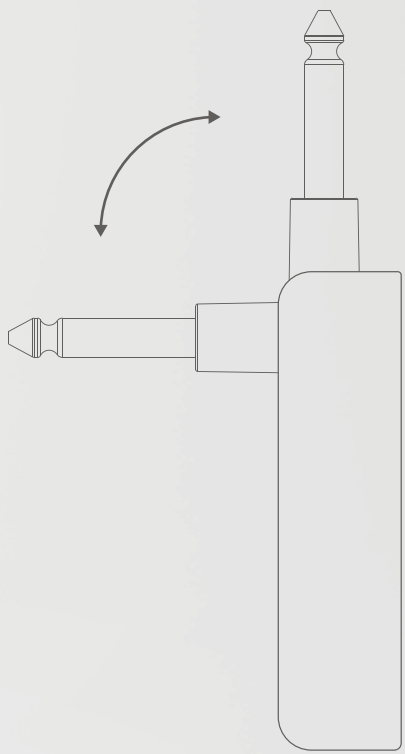


A140R

Four-channel Wireless Microphone Receiver

- LCD liquid crystal display
- Infrared synchronization
- Digital volume control
- Three adjustable squelches threshold
- Three adjustable powers
- Microphone battery indication
- RF and audio level indication
- BNC detachable antenna

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	96个
Receive Sensitivity	<-98dBm
Modulation Mode	FM
Gain	15±1dB
S/N	≥105dB（XLR）
Frequency Response	60Hz ~ 16kHz（±3dB）
Power Supply	DC 12V/0.5A
Working Current	<300mA
Dimension	483*145*44mm
Weight	1.4kg



A10R

UHF Receiver

- Light ring indicates real-time working status
- Light touch switch for power, mute and frequency search
- Built-in lithium battery
- USB-C charging interface

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	8个
Receive Sensitivity	<-98dBm
Modulation Mode	FM
THD+N	<0.5%
Max Output	≥-1dBV
Gain	12±1dB
S/N	≥95dB
Frequency Response	60Hz ~ 16kHz (±3dB)
Battery	3.7V 750mAh
Working Current	<100mA
Battery Life	>6H
Dimension	27*118*20mm
Weight	40g



A100R

Bodypack Receiver

- LCD display
- Infrared synchronization
- Digital volume control
- Three adjustable powers
- Four battery indications
- Built-in headphone amplifier

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Receive Sensitivity	<-98dBm
Modulation Mode	FM
Output	3.5MM socket / mono
Headphone Drive Capacity	≥90mW/16 Ω
Max Output	≥0dBV
Gain	20±1dB
Frequency Response	60Hz ~ 16kHz (±3dB)
S/N	≥85dB
Battery	2x1.5V (AA)
Battery Life	>6H
Dimension	64*127*26mm
Weight	90g



A100HT

Handheld Transmitter

- LCD display
- Aluminum alloy body, oxidation process
- Toggle power switch
- Infrared synchronization
- AA battery power supply
- Auto mute (optional)

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Output Power	≥13dBm
Modulation Mode	FM
Modulation Depth	12±2kHz
Max Modulation Depth	55kHz
Max lutput Level	>350mVrms
Spurious Suppression	>60dBc
Battery	2x1.5V (AA)
Working Current	≤145mA
Battery Life	>8H
Dimension	250*52mm(Diameter)
Weight	290g



A101HT

Handheld Transmitter

- LCD display
- Aluminum alloy body, oxidation process
- Toggle power switch
- Infrared synchronization
- AA battery power supply
- Auto mute (optional)

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Output Power	≥13dBm
Modulation Mode	FM
Modulation Depth	12±2kHz
Max Modulation Depth	55kHz
Max lutput Level	>350mVrms
Spurious Suppression	>60dBc
Battery	2x1.5V (AA)
Working Current	≤145mA
Battery Life	>8H
Dimension	250*52mm(Diameter)
Weight	290g



A200HT

Handheld Transmitter

- ABS plastic body, spray painting process
- Light ring indicates real-time working status
- Light touch switch
- Mute function
- Infrared synchronization
- AA battery power supply
- Auto mute (optional)

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Output Power	≥13dBm
Modulation Mode	FM
Modulation Depth	12±2kHz
Max Modulation Depth	55kHz
Max lutput Level	>350mVrms
Spurious Suppression	>60dBc
Battery	2x1.5V (AA)
Working Current	≤145mA
Battery Life	>8H
Dimension	240*48mm(Diameter)
Weight	200g



A600HT

Handheld Transmitter

- ABS plastic body, spray painting process
- Toggle power switch
- Infrared synchronization
- Built-in lithium battery
- USB-C charging interface
- Multi-color flashing light
- Optional Color
- Auto mute (optional)

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	50个
Output Power	≥13dBm
Modulation Mode	FM
Modulation Depth	12±2kHz
Max Modulation Depth	55kHz
Max Iutput Level	>350mVrms
Spurious Suppression	>60dBc
Battery	3.7V 1000mAh
Working Current	≤170mA
Battery Life	>6H
Dimension	235*50mm(Diameter)
Weight	180g



A100BT

Bodypack Transmitter

- LCD display
- Aluminum alloy casing, oxidation process
- Mute function
- Infrared synchronization
- AA battery power supply

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	100个
Output Power	≥13dBm
Modulation Mode	FM
Modulation Depth	12±2kHz
Max Modulation Depth	55kHz
Max Iutput Level	>350mVrms
Spurious Suppression	>60dBc
Battery	2x1.5V (AA)
Working Current	<160mA
Battery Life	>8H
Dimension	64*127*26mm
Weight	90g



A100CT

Conference Transmitter

- LCD display
- ABS plastic casing, spray painting process
- Detachable lithium battery
- Working status indicator light
- Detachable 3 pin XLR Cannon Microphone
- Multiple gooseneck microphone optional

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	96个
Output Power	≥13dBm
Modulation Mode	FM
Modulation Depth	12±2kHz
Max Modulation Depth	55kHz
Max lutput Level	>350mVrms
Spurious Suppression	>60dBc
Battery	3.7V/1800mA
Working Current	≤160mA
Battery Life	>8H
Stem Length	430mm
Stand Dimension	135*110*45mm
Weight	520g



U1000R

Single Channel True Diversity Wireless Microphone Receiver

- Automatic tracking tuning technique
- 1680 adjustable frequency in 42MHz bandwidth
- Up to 32 non-interfering channels in each band
- Supports 20 sets of systems to use simultaneously
- Support on-line automatic scanning, automatic search for idle channels
- PC interface control, etc.

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	1280
Frequency Bandwidth	42MHz
Receive Sensitivity	<-104dBm
S/N	>110dB (A)
THD+N	<0.5%
Audio Output Level	10dBu max
Power Supply	DC12V/500mAh
Dimension	212*160*44mm
Weight	1.1kg



U2000R

Dual Channel True Diversity Wireless Microphone Receiver

- Automatic tracking tuning technique
- 1680 adjustable frequency in 42MHz bandwidth
- Up to 32 non-interfering channels in each band
- Supports 20 sets of systems to use simultaneously
- Support on-line automatic scanning, automatic search for idle channels
- PC interface control, etc.

Technical Specification	
Frequency Range	470MHz ~ 960MHz
Optional Frequency	1280
Frequency Bandwidth	42MHz
Receive Sensitivity	<-104dBm
S/N	>110dB (A)
THD+N	<0.5%
Audio Output Level	10dBu max
Power Supply	DC12V/1000mAh
Dimension	483*160*44mm
Weight	2.6kg



U1000HT

Handheld Microphone

- LCD display
(working frequency,battery level, power, gain, ID numberindicator)
- Zinc alloy die-cast high strength body
- Replaceable capsules assembly
- Infrared channel synchronization
- Five stage adjustable power
- Five stage adjustable input gain
- Five level battery power indicator
- Mute function

Technical specification	
Frequency Range	470MHz ~ 960MHz
Frequency Bandwidth	42MHz
High Wave Suppression	>60dBc
Maximum Frequency Offset	±60kHz
Frequency Response	50Hz ~ 20kHz
S/N	>105dB (A)
Distortion	<0.5%
Battery	2x1.5V (AA)
Battery Life	>8H
Dimension	257*54mm(DIA)
Weight	350g



U1000BT

Bodypack Transmitter

- LCD display
(working frequency,battery level, power, gain, ID number indicator)
- ABS plastic casing, spray paintingprocess
- Infrared channel synchronization
- Five stage adjustable power
- Five stage adjustable input gain
- Five level battery power indicator
- Mute function

Technical specification	
Frequency Range	470MHz ~ 960MHz
Frequency Bandwidth	42MHz
High Wave Suppression	>60dBc
Maximum Frequency Offset	+60kHz
Frequency Response	50Hz ~ 20kHz
S/N	>105 dB (A)
Distortion	<0.5%
Battery	2x1.5V (AA)
Battery Life	>8H
Dimension	85*65*23mm
Weight	90g



IEM800T

Wireless monitoring transmitter

- Bandwidth 25MHz, preset 10 groups of non-interference frequency
- Up to 96 frequencies are available
- Up to +6dBu dynamic audio signal input without distortion · Better than 60dB stereo separation
- The system adopts OLED display
- More than 50 meters of service distance
- Digital pilot technology
- Infrared data transmission technology
- In-ear monitoring headphones
- Separate antenna

Technical specification	
Frequency Range	470MHz ~ 960MHz
Maximum Channel Number	1000
Output Power	2/10/30mW
Side Wave Suppression	>50dBc
Frequency Bandwidth	25MHz
Maximum Modulation	±25kHz
Frequency Response	45Hz ~ 15kHz (±3dB)
S/N	>92dB (A)
Distortion	<1% to 1kHz
Adjustable Gain Range	48dB(Each 3dB)
Audio Input Interface	Φ 6.35/XLR*2
Power Supply	12V DC/500mA
Dimension	212*44*100mm
Weight	630g



IEM800R

Wireless Monitoring System

- LCD display 25MHz bandwidth, support ten sets of non-interference frequency preset
- Up to 96 frequency optional
- True diversity receiving, working range above 60 meters
- >60dB stereo separation
- Digital pilot, effectively improve noise interference
- Stereo or mono working mode
- Adjustable right and left vocal tract balance
- Detachable antenna

Technical specification	
Frequency Range	470MHz ~ 960MHz
Maximum Channel Number	1000
Bandwidth	25MHz
Receiver Sensitivity	<-92dBm （ for 30dB S/N Ra ）
Maximum Frequency Offset	±25kHz
Frequency Response	45Hz ~ 15kHz （ ±3dB ）
S/N	>92dB （ A ）
Distortion	<1% to 1kHz
Adjustable Gain Range	63dB(each 1dB)
Audio Interface	Φ 3.5*1
Battery	2x1.5V （ AA ）
Battery Life	>6H
Dimension	64*85*26mm
Weight	120g



U8R

UHF Wireless Recording System

- Aluminum die-cast metal casing
- LCD dot matrix display
- Automatic search for idle channels
- Professional dynamic low noise processing
- Infrared data synchronization
- 3 levels battery indication
- 12 stages adjustable output gain

Technical specification	
Frequency Range	470MHz ~ 960MHz
Oscillation Mode	PLL
Working Range	>80m
Frequency Range	50Hz~15kHz (±3dB)
Adjustable Gain Range	-42~0dB (3dB)
Dynamic Range	>98dB (A)
THD	<0.5%
S/N	>95dB (A)
RF Sensitivity	<-92dBm (for 30dB S/N Ratio)
Output Impedance	600 Ω
Battery	2x1.5V (AA)
Working Temperature	-5~+50℃
Dimension	66*90*26mm
Weight	160g



U8T

UHF Wireless Recording System

- Aluminum die-cast metal casing
- LCD dot matrix display
- Professional dynamic low noise processing
- Infrared data synchronization
- 3 levels battery indication
- 7 stages adjustable input gain

Technical specification	
Adjustable Gain Range	-21 ~ +21dB(3dB)
Input Impedance	5K Ω
RF Output Power	20mW
Side Wave Suppression	>55dBc
Pilot Frequency	32.768kHz
Battery	2x1.5V (AA)
Battery Life	>8H
Dimension	66*90*26mm
Weight	160g



AD82

Antenna Distributor

- Low noise amplifier circuit design
- Low plug consumption, high separation design
- Built-in 4-channel power distributor

Technical specification	
Frequency Range	450MHz ~ 950MHz
Insertion Loss	2 ~ 4dB
Internal Amplifier Gain	6dB
Internal Amplifier Noise Factor	1.5dB
Output Interface Isolation	> 30dB
Input Interface	BNC female ×2
Output Interface	BNC female ×10
Input Impedance	50 Ω
Output Impedance	50 Ω
Power Supply Output	DC sockets×4(600mA provided each)
Power Requirements	12V/3A power adapter
Working Temperature	-10 ~ +50 ℃
Dimension	483*160*44mm
Weight	1.94kg



DA40

Single-directional Antenna

- Single-directional receiving antenna effectively reduces interference from other devices to the receiver.
- High-gain design effectively increases reception distance.
- Built-in 4-level gain control antenna amplifier.
- Wide bandwidth covering all wireless microphone UHF frequency bands

Technical specification	
Frequency Range	450MHz ~ 950MHz
Antenna Gain	4 ~ 6dBi
Directivity	Single Directional
Effective Angle	100°
Internal Amplifier Gain	-6dB / 0dB/6dB/12dB
Internal Amplifier Noise Factor	1.5dB
SWR	<1.3
Output Interface	BNC female ×1
Display Mode	LED×4
Power Requirements	Phantom power 5 ~ 12V/0.1A
Working Temperature	-10 ~ 50 ℃
Dimension	352*346*25mm
Weight	320g



DA50

Omni-directional Antenna

- All-directional receiving antenna,receiving signals uniformly in multiple directions
- high-gain design, effectively increasing the receiving distance
- Built-in 4-stage gain control antenna amplifier
- Wide band, covering all wireless microphone UHF bands

Technical specification	
Frequency Range	450MHz ~ 950MHz
Antenna Gain	0 ~ 2 dBi
Effective Angle	Omni Directional
Directivity	360°
Internal Amplifier Gain	-6dB / 0dB/6dB/12dB
Internal Amplifier Noise Factor	1.5dB
SWR	<1.3
Output Interface	BNC Female ×1
Display Mode	LED×4
Power Requirements	Phantom power 5 ~ 12V/0.1A
Power Consumption	0.6W (12V / 0.05A)
WorkingTemperature	-10 ~ 50 ℃
Dimension	130*313*25mm
Weight	280g



X24R

Wireless Receiver

- 2.4G bidirectional adaptive frequency hopping
- 4 levels battery indication
- Low latency
- XLR balanced output

Technical Specification	
Frequency Range	2400MHz ~ 2483.5MHz
Modulation Mode	GFSK
Receiving Sensitivity	>-92dbm
Working Range	>20m
Frequency Response	35Hz ~ 17kHz (±2db)
S/N	>101db
Distortion	<0.05%@1kHz
Latency	<11ms
Working Time	>10H
Dimension	105*35*25mm
Weight	62g



X24T

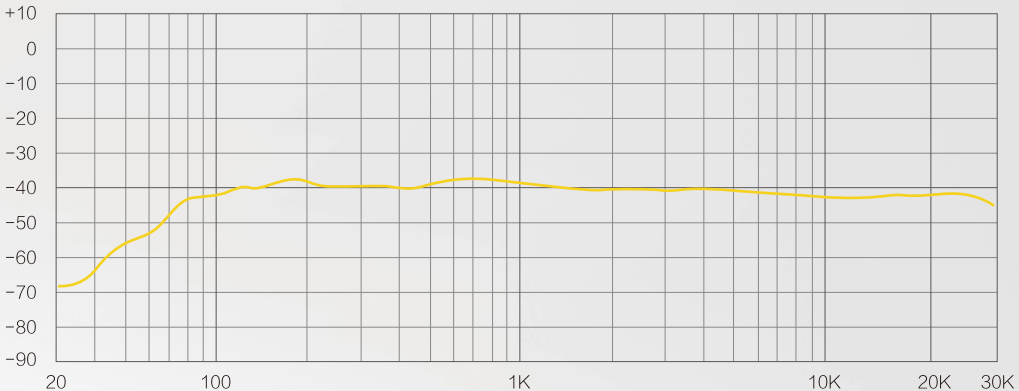
Wireless Transmitter

- Automatic frequency selection
- 48V phantom power supply
- 2.4G band
- Adaptive frequency modulation
- Compatible with a wide range of models

Technical Specification	
Frequency Range	2400MHz ~ 2483.5MHz
Modulation Mode	GFSK
MAX Receiving Power	13dbm
Frequency Response	35Hz ~ 17kHz (±2db)
Working Current	45mA/3.7V(Min)
	120mA/3.7V(Max)
Dimension	100*35*25mm
Weight	60g



Frequency Response



MM6

Measurement Microphone

- Excellent frequency response characteristics, which reproduces the sound really
- Max. Input SPL could reaching 132dB
- Compact conical tube design ensures the microphone has negligible influence on the sound field
- Meet the live performance, research,development, reverberation testings and other applications

Technical specification	
Element	Back Electret Condenser
Electret Specs	4mm(DIA)
Polar Pattern	Omni
Frequency Response	40Hz ~ 30kHz (±3dB)
Sensitivity	-39.5dB±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	600 Ω ±20% (at 1kHz)
Max. Input SPL	132dB±2dB (T.H.D≤1% at 1kHz)
Equivalent Noise Level	28dBA
Power Requirements	48V Phantom Powe (48V DC) 2mA
Output Connectors	XLRM
Dimension	125*20mm
Weight	93g



VM10

Wired Microphone

- Applicable for speech/singing/interview
- Super cardioid dynamic microphone capsule, reduces unwanted noise and echo
- High gain, bright, full sound with strong penetration
- Magnetic switch to avoid power-on thump
- Metal body and grill

Technical Specification	
Pickup Pattern	Supercardioid
Frequency Response	50Hz-16KHz
Sensitivity	-46±2dB(0dB=1V/Pa at 1K)
Output Impedance	450 Ω ±15% at 1KHZ
Dimension	185xØ50mm
Microphone Weight	339g/0.75LBS



LM100

Desktop Microphone

- Perfect pickup solution for personal live streaming
- High sound quality microphone
- Excellent vocal performance
- Supercardioid capsule, effectively filter out environmental noise
- XLR interface, pure sound signal transmission
- Mute with one click

Technical Specification	
Element	Back electret
Directivity	Supercardioid
Frequency Response	40Hz ~ 16KHz
Sensitivity	-34dB±3dB (1dB=1V/Pa at 1kHz)
Output Impedance	200 Ω ±20% (at 1kHz)
MAX SPL	130dB (T.H.D≤1% at 1kHz)
S/N	≥78dB (1KHz at 1Pa)
Pickup Angle	120°
Power Supply	48V
Output Interface	XLRM Three needle male cannon
Dimension	85 x 350mm
Weight	238g



PS102

10 Inch Two Frequency Professional Speaker

- High power, high sound pressure, excellent low-frequency extension
- Automatic recovery high-frequency overload protection circuit
- 90°× 60° coverage angle for uniform and smooth on-axis and off-axis response
- Newly designed speaker unit combined with FINE X-over precision-tuned crossover
- Smooth frequency response and good phase consistency
- Cabinet made of 15mm high-density MDF board
- Special surface treatment for the iron grille, providing a brighter appearance
- Cabinet finished with a wear-resistant matte water-based paint process
- M10 screw mounting holes for horizontal or vertical installation
- Suitable for small-scale performances, entertainment clubs, home KTV, and other applications.

Technical Specification	
Model	10 inch two frequency professional speaker
Frequency Response	55Hz ~ 20kHz (±3dB)
Driving Unit	HF: 1*1.4" (34mm) Coil LF: 1*10" (51mm) Coil
Sensitivity	95dB SPL 1w/1m
Max SPL	122dB
Rated Impedance	8 Ω
Input Power	300W/600W/1200W(Continuous/Music Signal/Peak)
Angle	90°x60° (HxV)
Input Interface	2xNL4MP
Dimension	533*300*370mm
Weight	12kg



PS122

12 Inch Two Frequency Professional Speaker

- High power, high sound pressure, excellent low-frequency extension
- Automatic recovery high-frequency overload protection circuit
- 90°× 60° coverage angle for uniform and smooth on-axis and off-axis response
- Newly designed speaker unit combined with FINE X-over precision-tuned crossover
- Smooth frequency response and good phase consistency
- Cabinet made of 15mm high-density MDF board
- Special surface treatment for the iron grille, providing a brighter appearance
- Cabinet finished with a wear-resistant matte water-based paint process
- M10 screw mounting holes for horizontal or vertical installation
- Suitable for small-scale performances, entertainment clubs, home KTV, and other applications.

Technical Specification	
Model	12 inch two frequency professional speaker
Frequency Response	48Hz ~ 20kHz (±3dB)
Driving Unit	HF: 1*1.75" (44mm) Coil LF: 1*12" (65mm) Coil
Sensitivity	98dB SPL 1w/1m
Max SPL	123dB
Rated Impedance	8 Ω
Input Power	400W/800W/1600W(Continuous/Music Signal/Peak)
Angle	90°x60° (HxV)
Input Interface	2xNL4MP
Dimension	600*326*412mm
Weight	16kg



PS152

15 Inch Two Frequency Professional Speaker

- High power, high sound pressure, excellent low-frequency extension
- Automatic recovery high-frequency overload protection circuit
- 90°× 40° coverage angle for uniform and smooth on-axis and off-axis response
- Newly designed speaker unit combined with FINE X-over precision-tuned crossover
- Smooth frequency response and good phase consistency
- Cabinet made of 15mm high-density MDF board
- Special surface treatment for the iron grille, providing a brighter appearance
- Cabinet finished with a wear-resistant matte water-based paint process
- M10 screw mounting holes for horizontal or vertical installation
- Suitable for small-scale performances, entertainment clubs, home KTV, and other applications

Technical Specification	
Model	15 inch two frequency professional speaker
Frequency Response	42Hz ~ 20kHz (±3dB)
Driving Unit	HF: 1*1.75" (44mm) Coil LF: 1*15" (75mm) Coil
Sensitivity	100dB SPL 1w/1m
Max SPL	125dB
Rated Impedance	8 Ω
Input Power	450W/900W/1800W(Continuous/Music Signal/Peak)
Angle	90°x40° (HxV)
Input Interface	2xNL4MP
Dimension	690*420*485mm
Weight	24kg

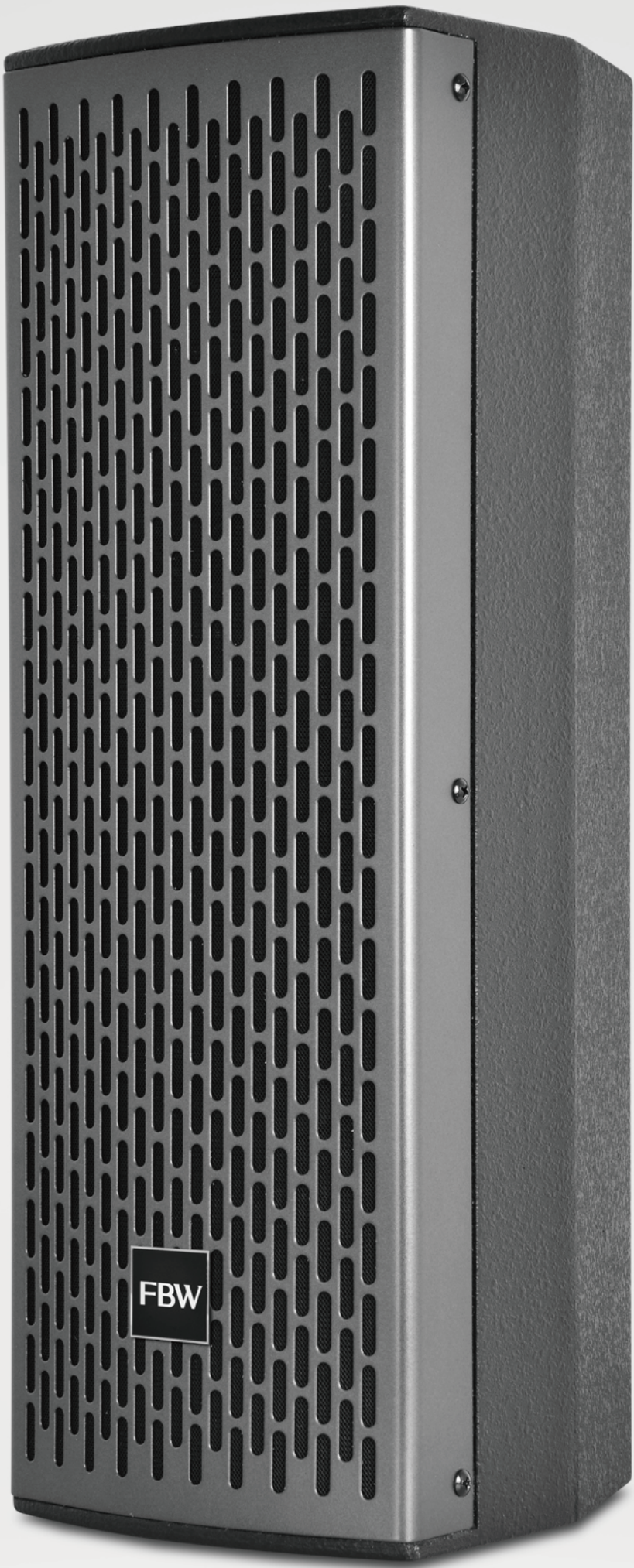


PS150

15 Inch Subwoofer Professional Speaker

- High power, high sound pressure, excellent low-frequency extension
- Frequency response as low as 32Hz
- High-power 4-inch woofer
- Durable, matte water-based surface treatment
- Powerful and immersive low-frequency
- 15mm high-quality birch plywood cabinet
- Special treated glossy iron grille
- Durable matte water-based paint
- Suitable for various venues such as entertainment clubs and home KTV as auxiliary speakers.

Technical Specification	
Model	15 inch subwoofer professional speaker
Frequency Response	32Hz ~ 200Hz (±3dB)
Driving Unit	LF:1*15" (100mm) Coil
Sensitivity	100dB SPL 1w/1m
Max SPL	125dB
Rated Impedance	8 Ω
Input Power	650W/1300W/2600W(Continuous/Music Signal/Peak)
Input Interface	2xNL4MP
Dimension	630*440*540mm
Weight	30kg



CS65

6.5”Full Range Speaker

- Features a 6-inch rubber edge woofer for better low-frequency response
- Two-Way design for more balanced frequency response
- Low-distortion high-frequency driver for more natural sound
- Suitable for conference rooms, public address systems, and various occasions

Technical Specification	
Frequency Response	100Hz ~ 20kHz
Sensitivity	98dB SPL 1w/1m
Maximum Spl	118dB
Coverage Angle	H60°xV60°
Rated Impedance	8 Ω
Input Power	100W/200W/400W
Dimensions	500*182*218mm
Weight	15kg/Pair



RS12

12 Inch Dual Frequency Return Speaker

- High power, high sound pressure, excellent low-frequency extension
- Automatic recovery high-frequency overload protection circuit
- 70°× 60° coverage angle for uniform and smooth on-axis and off-axis response
- Newly designed speaker unit combined with FINE X-over precision-tuned crossover
- Smooth frequency response and good phase consistency
- Cabinet made of 15mm high-density MDF board
- Special surface treatment for the iron grille, providing a brighter appearance
- Cabinet finished with a wear-resistant matte water-based paint process
- M10 screw mounting holes for horizontal or vertical installation
- Suitable for small-scale performances, entertainment clubs, home KTV, and other applications.

Technical Specification	
Model	12 inch dual frequency return speaker
Frequency Response	42Hz ~ 20kHz (±3dB)
Driving Unit	HF:1*1.75" (44mm) Coil
	LF:1*12" (75mm) Coil 190 Magnet
Sensitivity	98dB SPL 1w/1m
Max SPL	126dB
Rated Impedance	8 Ω
Input Power	350W/700W/1400W(Continuous/Music Signal/Peak)
Angle	70°x60° (HxV)
Input Interface	2xNL4MP
Dimension	445*635*350mm
Weight	21kg



FreeBox

Wireless Portable Speaker

- Frabic Mesh Design
- Supports bluetooth, MP3, USB multiple audio source inputs
- CNC volume adjustment
- Alarm function
- Built in lithium battery, 75% volume for continuous use for over 6 hours
- Built-in TMic charging holder

Technical Specification			
Power Supply Type	Built in lithium battery	Distortion Level	< 0.2%
Power Requirements	DC24V/3A	Frequency Response	140Hz~15KHz
Charging Current	≤1.5A	Sensitivity (Pink Noise)	> 81dBSPL
Amplifier Power	≥20W/4 Ω	Maximum Sound Pressure	106dB
Operating Current	< 160mA	6.35MM Input Interface	≤-25dBV
Usage Time	≥6h @75% power	Pairing Method	Manual pairing
Communication Method/	2.4G	Dimensions	268*187*205mm
Frequency Band		Weight	2455g(Excludes TMIC Transmitter)
Effective Operating Distance	1.TMIC-A : 15m		
	2.Transmitter&Bodypack Transmitter: 20m		
System Latency (Microphone)	< 14mS		
Signal-to-Noise Ratio	> 76dB		



PL80/PL80B/PL80B-P

Active Line Array

- Made of high-quality finnish WISA multi-layer birch plywood
- Features high-quality custom drivers
- Utilizes grade 1 stainless steel spray coating and copper screws
- Incorporates oxygen-free copper pins in french solen capacitors
- Equipped with corrosion and rust-resistant spray coated metal grille
- Wiring ports tilted downward at 45 degrees to prevent rainwater ingress
- Designed with adequate drainage channels and outlets to prevent water accumulation
- Utilizes lightweight aluminum mounting hardware with high load capacity
- Mounting hardware features stainless steel pins

Technical Specification	
Driver Composition	PL80: LF:1x8”Voice-coil HF:1x1”Voice-coil PL80B PL80B-P: 1x15”Voice-coil
Frequency Response	PL80: (-3dB) 50-20000Hz PL80B PL80B-P:(-3dB):36-1000 Hz
Sensitivity	PL80: LF:99dB , HF:102dB PL80B PL80B-P:98dB
Sound Pressure Level Output	PL80: 124dB/aes Continuous PL80B PL80B-P:125dB/aes Continuous; 131dB/peak 130dB/peak(When configured as a line array with single speaker)
Standard Impedance	PL80:LF:16 Ω HF:16 Ω PL80B PL80B-P:8 Ω
Input Power	PL80:LF:200W(aes Rated)/800W(peak)HF:80W(aes Rated)/320W(peak) PL80B PL80B-P:500W (aes Rated) /2000W (peak)
Input Connector	2×Speakon NL4MP
Dimensions (H x W x D)	245×500×300mm / 580 ×500 × 536mm / 580 ×500 × 536mm
Net Weight	16KG / 47KG / 52KG

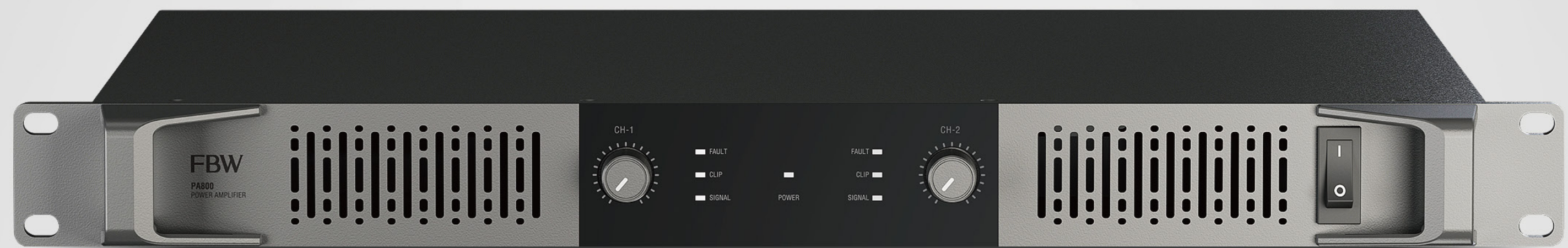


CA4300

300W Four-channel Power Amplifier

- Stereo, parallel, and bridge working mode
- Class D power amplifier, SMPS power supply
- Soft power-on, overload, overheating, short circuit, DC, peak voltage limit, intelligent peak shaving protection function
- Lightweight cold rolled steel chassis
- New aluminum alloy panel and ventilation for heat radiation
- Suitable for meeting rooms, multifunctional halls, banquet halls, small performances and other applications

Technical Specification		
Rated Power	8 Ω Stereo	4X300W
	4 Ω Stereo	4X500W
	8 Ω Bridge	2X1000W
Frequency Response		20Hz ~ 20kHz (+0/-1dB)
THD		<0.15%
S/N		\geq 100dB
Input Sensitivity		1V
Input Impedance(Balanced/Unbalanced)		20k Ω /10k Ω
Voltage Gain		36dB
Output Category		Class D
Dimension		482*202*44mm
Weight		4.8kg

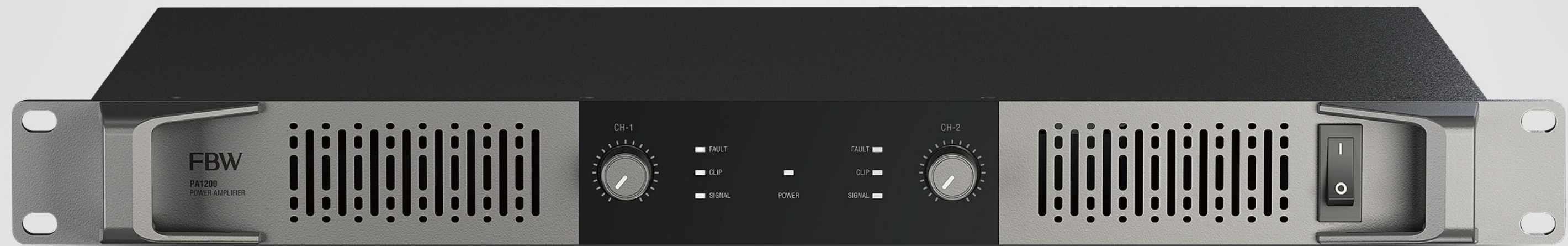


PA800

800W Dual-channel Power Amplifier

- Stereo, parallel, and bridge working mode
- 0.775V/32dB (26dB) two level gain options
- XLR balanced input, SPEAKON four core output
- Clipping limiter to prevent speaker damage
- Power amplifier output DC protection to prevent infrasound signals
- Unique short-circuit protection which support continuous sudio output
- Control power temperature to prevent overheating
- Power undervoltage protection function
- Complied to varies certificate
- High efficiency for energy saving
- Small size, light weight, 1U rack
- The AC power cord and rack installation accessories are detachable, which can better adapt to various installation methods.
- Low background noise and fan noise, meeting the requirements of near-field
- Meet the requirements of high reliability for live performances and conferences

Technical specification		
Rated Power 8 Ω /Stereo		2X800W
4 Ω /Stereo		2X1200W
2 Ω /Stereo		2X1800W
8 Ω /Bridge		1X2400W
4 Ω /Bridge		1X3600W
RMS output level		80.0V
Input sensitivity & Gain		0.775Vrms , 32dB optional(rated output power,1kHz)
Distortion+Noise		0.05% (10% rated output power , 1kHz , 8 Ω)
Frequency Response		±0.5dB (10% rated output power , 20Hz ~ 20kHz , 8 Ω)
Input Impedence		20k Ω (BAL) , 10k Ω (UNBAL)
S/N		≥100dB (A , 20Hz ~ 20kHz , 8 Ω)
Power		-100 ~ 240V (±10%) , 50/60Hz
Dimension		482*295*44.5mm
Weight		5.2kg

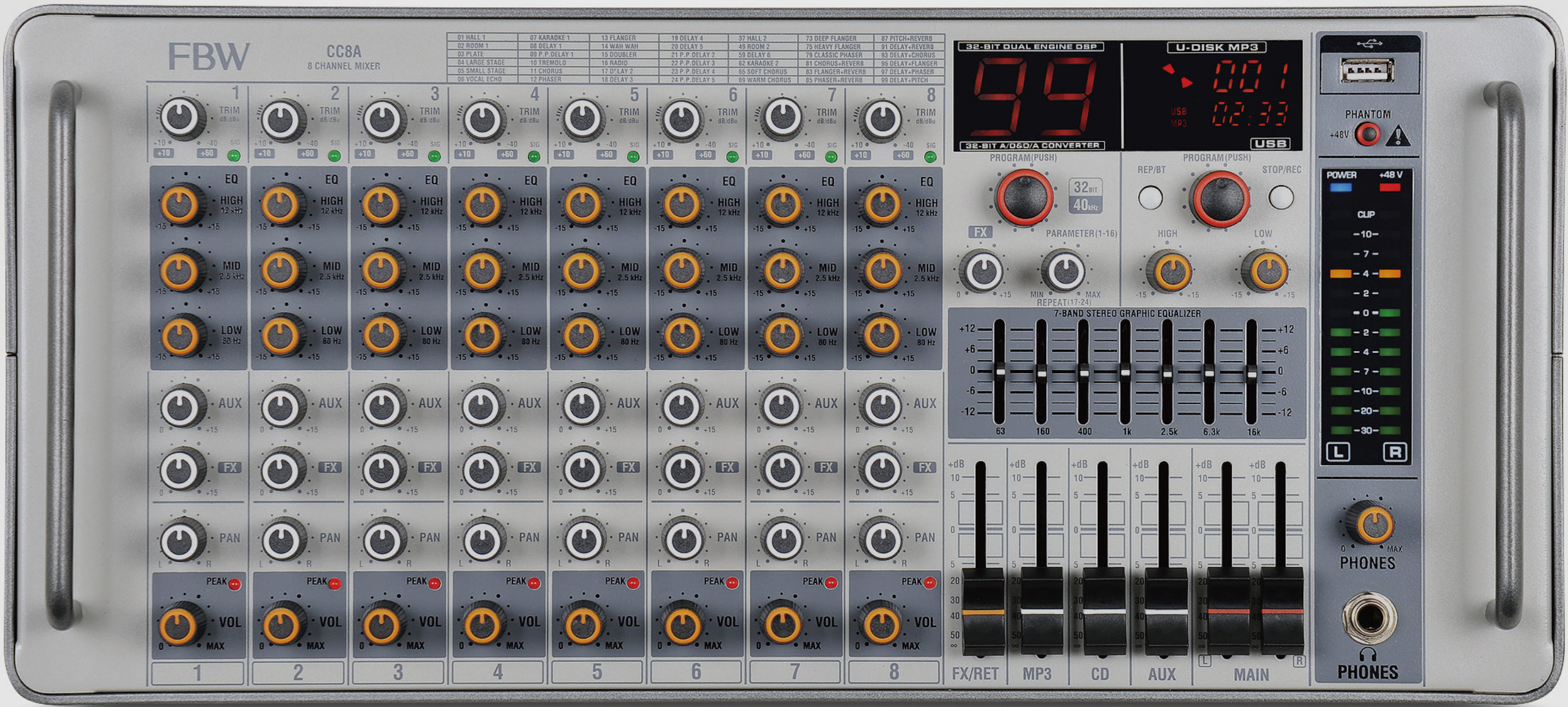


PA1200

1200W Dual-channel Power Amplifier

- Stereo, parallel, and bridge working mode
- 0.775V/32dB (26dB) two level gain options
- XLR balanced input, SPEAKON four core output
- Clipping limiter to prevent speaker damage
- Power amplifier output DC protection to prevent infrasound signals
- Unique short-circuit protection which support continuous sudio output
- Control power temperature to prevent overheating
- Power undervoltage protection function
- Complied to varies certificate
- High efficiency for energy saving
- Small size, light weight, 1U rack
- The AC power cord and rack installation accessories are detachable, which can better adapt to various installation methods.
- Low background noise and fan noise, meeting the requirements of near-field
- Meet the requirements of high reliability for live performances and conferences

Technical specification		
Rated Power 8 Ω /Stereo		2X1200W
4 Ω /Stereo		2X1800W
2 Ω /Stereo		2X2400W
8 Ω /Bridge		1X3600W
4 Ω Bridge		1X4800W
RMS output level		98.0V
Input sensitivity & Gain		0.775Vrms , 32dB selectable (rated output power,1kHz)
THD		0.05% (10% rated output power1kHz , 8 Ω)
Frequency Response		±0.5dB (10% rated output power20Hz ~ 20kHz , 8 Ω)
Input Impedence		20k Ω (BAN) , 10k Ω (UNBAN)
S/N		≥100dB (A , 20Hz ~ 20kHz , 8 Ω)
Power		-100 ~ 240V (±10%) , 50/60Hz
Dimension		482*295*44.5mm
Weight		5.4kg



CC8A

8 Channels Professional Mixer

- Dual engine DSP effector
- Bluetooth
- Balanced three sections for per route
- Seven stages for total equilibrium
- Support for monitoring headphones
- 48V phantom power supply

Technical Specification	
Frequency response	<10Hz ~ 150kHz (-1dB)
Impedance	2.6k Ω
S/N	110dB / 112dB (0dBu In @ +22dB gain)
Distortion	0.005% / 0.004%
EQ	Low:80Hz / ±15dB
	Mid:100Hz ~ 8kHz / ±15dB
	High:12kHz / ±15dB
Max Total Output	+28dBu / +22dBu
Earphone Max Output	+19dBu 150 Ω (+25dBm)
DSP Converter	32-bit Sigma-Delta
	64 / 128-times oversampling
Power Supply	230V~ 50/60Hz
Dimension	400*175*150mm
Weight	4.9kg



DC8A

8 Channels Professional Mixer

- Dual engine DSP effector
- Bluetooth
- Balanced three sections for per route
- Seven stages for total equilibrium
- Support for monitoring headphones
- 48V phantom power supply

Technical Specification	
Frequency response	<10Hz ~ 150kHz (-1dB)
Impedance	2.6k Ω
S/N	110dB / 112dB (0dBu In @ +22dB gain)
Distortion	0.005% / 0.004%
EQ	Low:80Hz / \pm 15dB
	Mid:100Hz ~ 8kHz / \pm 15dB
	High:12kHz / \pm 15dB
Max Total Output	+28dBu / +22dBu
Earphone Max Output	+19dBu 150 Ω (+25dBm)
DSP Converter	32-bit Sigma-Delta
	64 / 128-times oversampling
Power Supply	230V~ 50/60Hz
Dimension	445*465*134mm
Weight	5.56kg



DC12A

12 Channels Professional Mixer

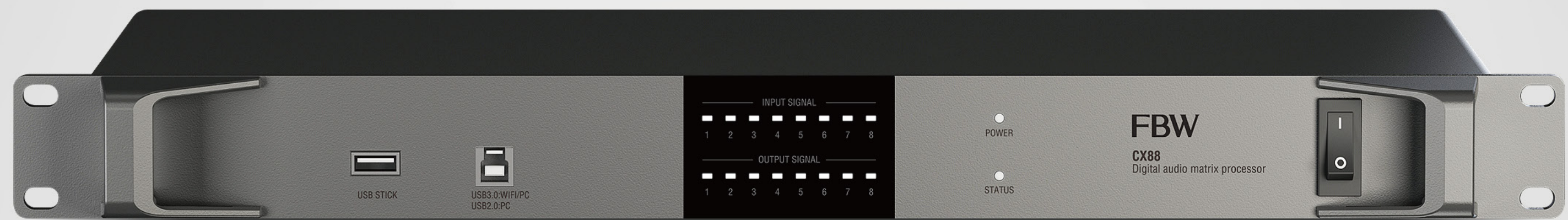
<div><div></div><div><ul style="list-style-type: none">· Dual engine DSP effector· Bluetooth· Balanced four sections per route· Nine stages for total equilibrium· Support for monitoring headphones· 48V phantom power supply</div></div>	<table><tr><th colspan="2">Technical Specification</th></tr><tr><td>Frequency response</td><td><10Hz ~ 150kHz (-1dB)</td></tr><tr><td>Impedance</td><td>2.6k Ω</td></tr><tr><td>S/N</td><td>110dB / 112dB (0dBu In @ +22dB gain)</td></tr><tr><td>Distortion</td><td>0.005% / 0.004%</td></tr><tr><td>EQ</td><td>Low:80Hz / \pm15dB</td></tr><tr><td></td><td>Mid:100Hz ~ 8kHz / \pm15dB</td></tr><tr><td></td><td>High:12kHz / \pm15dB</td></tr><tr><td>Max Total Output</td><td>+28dBu / +22dBu</td></tr><tr><td>Earphone Max Output</td><td>+19dBu 150 Ω (+25dBm)</td></tr><tr><td>DSP Converter</td><td>32-bit Sigma-Delta</td></tr><tr><td></td><td>64 / 128-times oversampling</td></tr><tr><td>Power Supply</td><td>230V~ 50/60Hz</td></tr><tr><td>Dimension</td><td>400*494.2*93mm</td></tr><tr><td>Weight</td><td>5.9kg</td></tr></table>	Technical Specification		Frequency response	<10Hz ~ 150kHz (-1dB)	Impedance	2.6k Ω	S/N	110dB / 112dB (0dBu In @ +22dB gain)	Distortion	0.005% / 0.004%	EQ	Low:80Hz / \pm 15dB		Mid:100Hz ~ 8kHz / \pm 15dB		High:12kHz / \pm 15dB	Max Total Output	+28dBu / +22dBu	Earphone Max Output	+19dBu 150 Ω (+25dBm)	DSP Converter	32-bit Sigma-Delta		64 / 128-times oversampling	Power Supply	230V~ 50/60Hz	Dimension	400*494.2*93mm	Weight	5.9kg
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DC16A

16 Channels Professional Mixer

<div><div></div><div><ul style="list-style-type: none">· Dual engine DSP effector· Bluetooth· Balanced four sections per route· Nine stages for total equilibrium· Support for monitoring headphones· 48V phantom power supply</div></div>	<table><tr><th colspan="2">Technical Specification</th></tr><tr><td>Frequency response</td><td><10Hz ~ 150kHz (-1dB)</td></tr><tr><td>Impedance</td><td>2.6k Ω</td></tr><tr><td>S/N</td><td>110dB / 112dB (0dBu In @ +22dB gain)</td></tr><tr><td>Distortion</td><td>0.005% / 0.004%</td></tr><tr><td>EQ</td><td>Low:80Hz / \pm15dB Mid:100Hz ~ 8kHz / \pm15dB High:12kHz / \pm15dB</td></tr><tr><td>Max Total Output</td><td>+28dBu / +22dBu</td></tr><tr><td>Earphone Max Output</td><td>+19dBu 150 Ω (+25dBm)</td></tr><tr><td>DSP Converter</td><td>32-bit Sigma-Delta 64 / 128-times oversampling</td></tr><tr><td>Power Supply</td><td>230V~ 50/60Hz</td></tr><tr><td>Dimension</td><td>494*494.2*93mm</td></tr><tr><td>Weight</td><td>7.1kg</td></tr></table>	Technical Specification		Frequency response	<10Hz ~ 150kHz (-1dB)	Impedance	2.6k Ω	S/N	110dB / 112dB (0dBu In @ +22dB gain)	Distortion	0.005% / 0.004%	EQ	Low:80Hz / \pm 15dB Mid:100Hz ~ 8kHz / \pm 15dB High:12kHz / \pm 15dB	Max Total Output	+28dBu / +22dBu	Earphone Max Output	+19dBu 150 Ω (+25dBm)	DSP Converter	32-bit Sigma-Delta 64 / 128-times oversampling	Power Supply	230V~ 50/60Hz	Dimension	494*494.2*93mm	Weight	7.1kg
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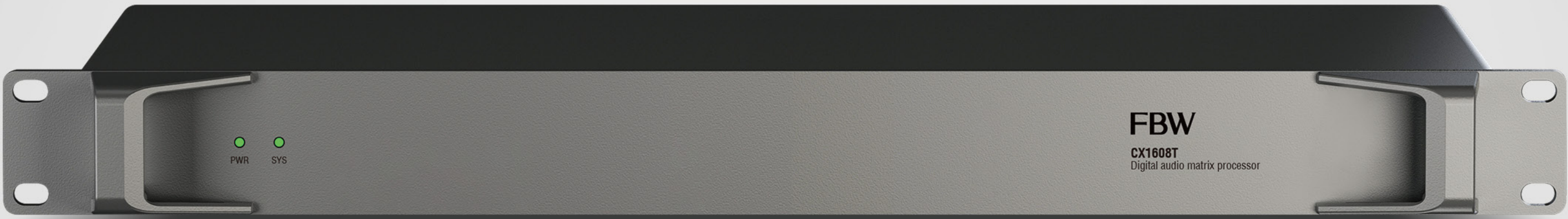


CX88

Digital Audio Matrix

- Support MP3, USB multimedia storage and recording function
- Built-in signal generator, automatic mixing (AM), automatic gain control (AGC), automatic feedback cancellation (AFC), automatic echo cancellation (AEC) and other main algorithms
- Input channels: front-end amplifier, signal generator, expander, compressor, 5-segment parameter equalization
- Output channel: 31 segment graphic equalization, delayer, frequency divider, high low pass filter, limiter
- built-in component matrix adjustment function
- Built-in graphical visualization feedback suppression function interface
- Integrated automatic camera tracking function
- Power off automatic memory protection function
- Supports 48V phantom power supply
- Multiple device interfaces (USB, WIFI, TCP/IP)

Technical Specification	
Input Interface	2x4 input interfaces (multi-channel Phoenix port)
Output Interface	2x4 output interfaces (multi-channel Phoenix port)
GPIO Control Interface	12 logic inputs, 4 voltage output control
InputImpedance	Balanced: 9.4kΩ Unbalanced: 4.7kΩ
Output Impedance	Balanced: 100Ω Unbalanced: 50Ω
Computer Interface	RS485 (Phoenix port) , RJ-45 (Wired network interface)
Inputs CMRR	≥78 dBu
Dynamic Range	112dBu
Frequency Response	20Hz~20kHz (±0.5dB)
S/N	>93dB@0dBu , 1kHz
Harmonic Distortion + Noise	≤0.005% @1kHz, 0dBu
Stereo Crosstalk	>88dB (1kHz)
Dimension	482*251*44.5mm
Weight	4.3kg



CX1608T

Digital Audio Matrix Processor

- Central control functionality
- Independent channel AFC (feedback suppression)
- Excellent input/output dynamic range
- Noise suppression feature with high signal-to-noise ratio
- Built-In USB sound card supporting music playback, recording, and soft video conferencing

Technical Specification	
Processor	ADI SHARC 21489
Sampling Rate/Quantization Bit Depth	48K/24bit
Number of Analog Input/Output Channels	16x8
Input Gain	0/6/12/18/24/30/36/42/48dB
Phantom Power	+48V/10mA max
Frequency Response (20~20kHz)	±0.5dB
Maximum Level	+18dBu
THD+N	0.002% @4dBu
Channel Isolation @1kHz	108dB
Input Impedance (Balanced Connection)	5.4K Ω
Output Impedance (Balanced Connection)	600 Ω
Operating Power Supply	AC 220V, 50Hz
Dimensions (W x D x H)	482x200x45mm
Shipping Weight	4KG



SH48

Speaker Management

- Input channel features separate delay control, 2 dynamic equalization, 6 parameter equalization, separate input compression settings, and noise gate function
- 96KHz sampling frequency, 32-bit DSP processor, 24-bit A/D and D/A conversion
- Flexible combination of multiple frequency division modes, high and low frequency division can reach 20Hz ~ 20KHz
- All channels are equipped with separate mute control and independent input automatic gain function
- Latency can be adjusted by coarse or fine mode, up to 1000ms, latency unit can be selected as milliseconds (ms), meters (m), feet (ft)

Technical Specification	
Input channel and socket	4 channel XLR female socket
Output channel and socket	8 channel XLR male socket
Input Impedance	20kΩ(balanced)
Output Impedance	100Ω(balanced)
Common Mode Rejection Ratio	>70dB (1kHz)
Input Range	≤+16.3dBu
Frequency Response	19.7Hz ~ 20kHz (±0.5dB)
S/N	>104dB
Distortion	<0.01% (OUTPUT=0dBu/1kHz)
Stereo Crosstalk	>100dB (1kHz)
Consumption	≤ 25W
Power Supply	AC110V ~ 220V 50/60Hz
Dimension	483*213*44.5mm
Weight	3.6kg



PT8

Smart Power Sequencer

- Configure a 2.2 inch colored TFT-LCD display
- Real time display of current voltage, date, time, and channel switch status
- Intelligent delay and timed opening/closing of 8-way switch channels to prevent current surges (0-999s)
- Independent switches for each channel
- Built in clock chip, capable of setting 10 timers, intelligent switch for each channel
- USB: 5V500A current, capable of plugging in USB light, connecting to mobile phone charging, etc
- Copper universal socket design provides stable high current, under/over voltage protection, and can be customized with protection values to prevent equipment damage caused by voltage instability
- Configure RS232 and RS485 interfaces, support cascading and central device control
- Rated total output current: 40A Single channel output current: 20A
- Suitable for fixed installation occasions such as stage performances, home cinemas, KTV rooms, and conference rooms

Technical Specification	
Power Supply	AC 100~240V 50~60Hz
Single Channel Rated Output Current	20A
Rated Output Current	40A
Time Interval of Each Step In Timing Control	1~999s
USB Interface	DC 5V 500mA
Power Supply Interface	8-channel smart control, 1-way direct output
Dimension	483*225*47mm
Weight	3.3kg

FBW



Wire Microphone



DM7

Drum Microphone

- Diecast matel housing
- D10 is power by phantom or battery
- Package including:
- D31 Cardioid Dynamic Microphone *1
- D32 Cardioid Dynamic Microphone *4
- D10 Cardioid Condenser Microphone *2
- Clamp *5
- H-25 fixed seatavailable for "5/8"- "3/8"thread * 2
- Windshield of condenser microphone *2
- Aluminum suitcase package with anti-collision sponge

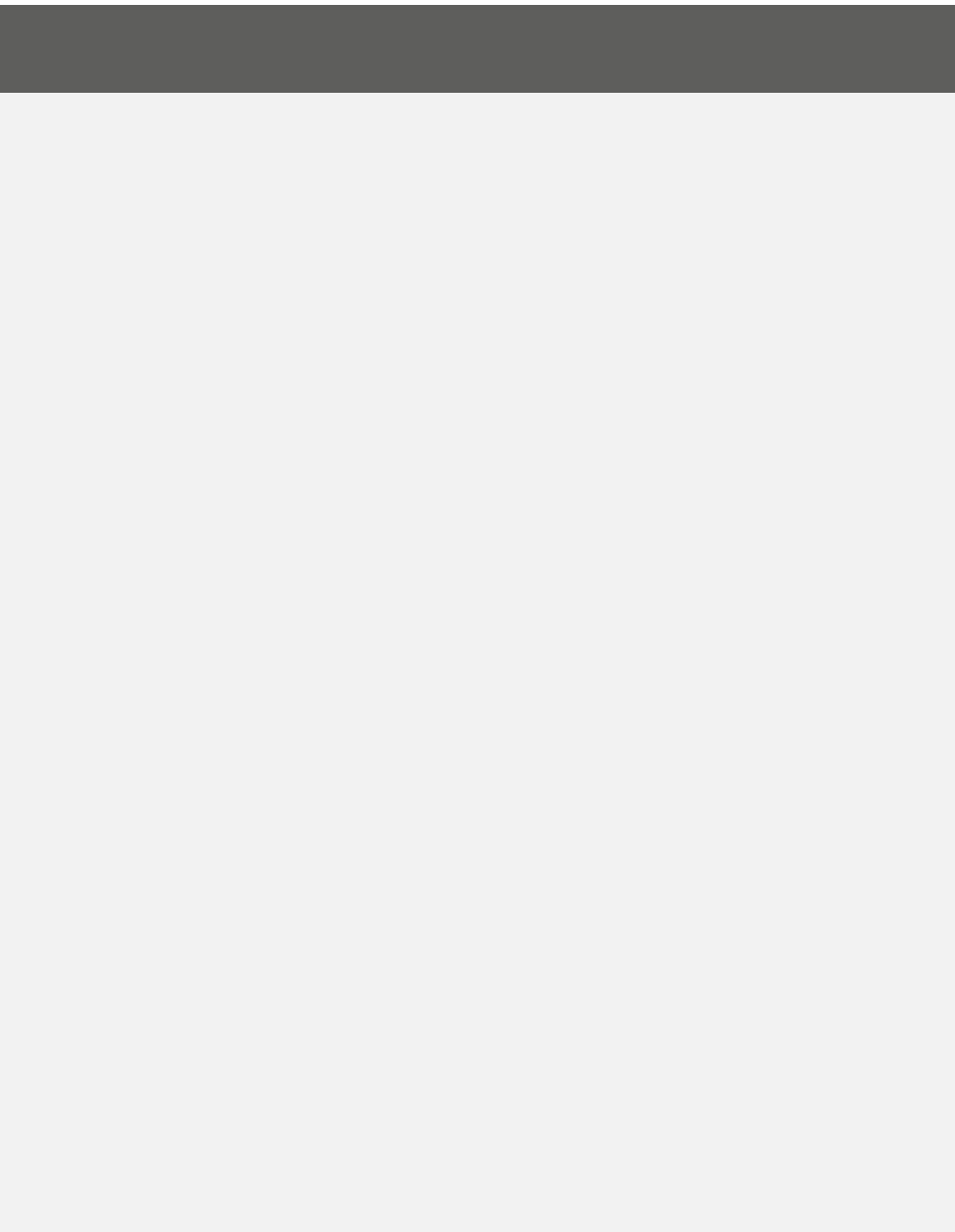
Technical specification			
Model	D31	D32	D10
Cartridge	Dynamic	Dynamic	Condenser
Polar Pattern	Cardioid	Cardioid	Cardioid
Frequency Response	60Hz~12kHz	100Hz~12kHz	80Hz~18kHz
Sensitivity	-60dB re 1V at 1P	-60dB re 1V at 1P	-53dB (2.2mV) re 1V at 1P
Output Impedance	500 Ω	600 Ω	200 Ω
Dimension	125*63mm(DIA)	110*46mm(DIA)	197*28mm(DIA)
Weight	336g	216g	145g

[illegible]



H1

Monitoring Earphones



Technical Specification	
Plug Type	3.5mm
Wearing Style	Over-Ear Style
Earphone Type	Dynamic Earphone
Frequency Range	20hz-20khz
Connector Type	2pin/0.78mm
Impedance	32 Ω
Sensitivity	120db
Weight (Earphones with cable)	7g+12g
Color	Black