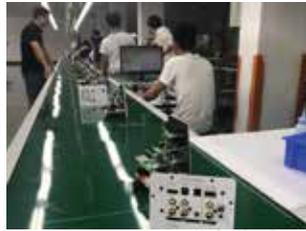




# DongGuan AS AUDIO Co. Ltd.

## 东莞市爱笙电子科技有限公司

Add: Flat/Rm A 3/F, Kiu Kong Mansion, 524 Nathan Road, Yau Ma Tei, Hong Kong



### ODM/OEM factory of audio products:

- Bluetooth speaker, Wireless Systems (Wi-Fi)
- Digital amplifiers, Subwoofer PCBAs
- Speakers (onwall/inwall, indoor/outdoor, in-ceiling, car, marine...)

#### Test Equipments

- Anechoic Rooms
- Acoustic Testing Center
- EMC, EMI safety testing laboratories partners
- KLIPPEL Analyzer3, Soundcheck, LMS, Clio
- (AP) Audio Precision 515



Compliant with international standards RoHS, REACH, Conflict Mineral, etc...

- IECQ QC 080000: 2017
- ISO/TS16949: 2016
- ISO14001: 2015
- ISO 9001: 2015





## AS subwoofer modules Class-D amplifier PCBAs

DSP solution AUAD1701



Specifically to drive subwoofers efficiently, reproduce deep and impactful bass.

Excellent performance at Harmonic Distortion (THD) and signal-to-noise (S/N).

PFC circuit included.

Parameter item	SUB-150W	SUB-300W	SUB-600W	SUB-800W	SUB-1000W	SUB-1500W
Output Power RMS	150W@4Ω	300W@4Ω	600W@4Ω	800W@4Ω	1000W@4Ω	1500W@4Ω
Power consumption in working mode	200W max	390W max	800W max	900W max	1200W max	2000W max
Power consumption in auto-standby	≤0.5W	≤0.5W	≤0.5W	≤0.5W	≤0.5W	≤0.5W
LFE Input	N/A	N/A	Yes	Yes	Yes	Yes
Analog Input (R&L)	Yes	Yes	Yes	Yes	Yes	Yes
Analog Output (R&L)	Yes	Yes	N/A	N/A	N/A	N/A
THD (Rated output: -3 dB) 4 Ω, 100Hz	0.01%	0.01%	0.02%	0.02%	0.02%	0.02%
S/N (A+ weight)	95dB	103dB	98dB	98dB	98dB	95dB
Frequency Response (-3dB)	20Hz~200 Hz	20Hz~200 Hz	20Hz~160 Hz	20Hz~160 Hz	20Hz~160 Hz	20Hz~140 Hz
Input sensitivity	200mV	200mV	200mV	200mV	200mV	160mV
Input impedance	10KΩ	10KΩ	10KΩ	10KΩ	10KΩ	10KΩ
Crossover knob	Yes	Yes	Yes	Yes	Yes	Yes
Phase potentiometer	Yes	Yes	Yes	Yes	Yes	Yes
Volume knob	Yes	Yes	Yes	Yes	Yes	Yes
Pre out	Yes	N/A	Yes	Yes	Yes	Yes
Product size WxHxD (mm)	200x200x68	218x218x74	236x236x86	266x266x106	266x266x106	320x240x88
Net weight	0.75 kgs	1.05 kgs	2.40 kgs	2.80 kgs	3.20 kgs	5.80 kgs
Cabinet color & material	Customization, or Galvanized iron & baked finish					



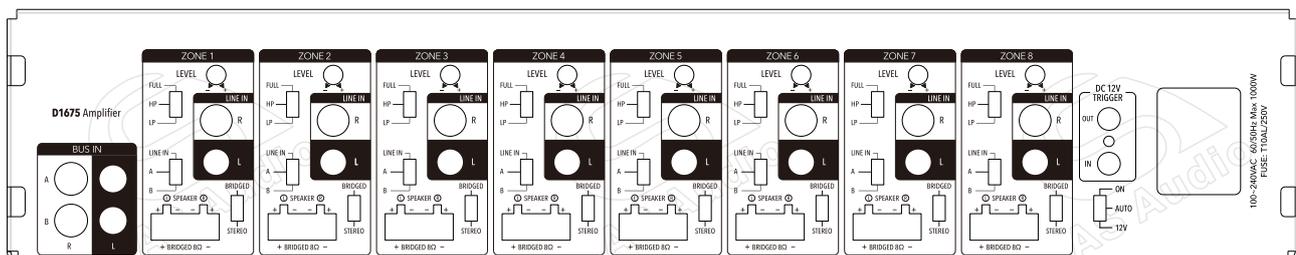
## AS Class-D Multi-channel amplifiers

8-channel (4 independent zones)  
12-channel (6 independent zones)  
16-channel (8 independent zones)

Universal in/out 12v triggers as well as zone-specific in/out triggers;

Being able to bridge channels allows a doubled power output.

Item	DPA-908	DPA-9012	DPA-7516
Output power (RMS)	8chx90W@4Ω	12chx90W@4Ω	16chx75W@4Ω
Output power (RMS)	8chx45W@8Ω	12chx45W@8Ω	16chx37W@8Ω
One Zone Driven-8Ω Bridged (RMS)	4chx180W@8Ω	6chx180W@8Ω	8chx150W@8Ω
Power consumption in working mode	600W max	800W max	1000W max
S/N (A+ weight)	90dB		
Frequency Response	20Hz -20k Hz(-3dB)		
Impedance	10KΩ		
Input sensitivity	670mV		
Harmonic Distortion (THD)	0.01 %(Rated output. -3 dB), 4Ω,1 kHz		
Standby Power consumption	≤0.5W		
Product size(mm)	W435xD248xH44	W435xD248xH44	W435xD248xH88
Packing Dimensions (mm)	W525xD37xH148	W525xD370xH148	W525xD370xH191
Net weight (kg)	3.85	4.10	5.80
Gross weight (kg)	5.35	5.60	8.00
Cabinet color and material	Customization,or galvanized iron & baked finish		





## AS AMP500SB-1U Class-D Subwoofer amplifier

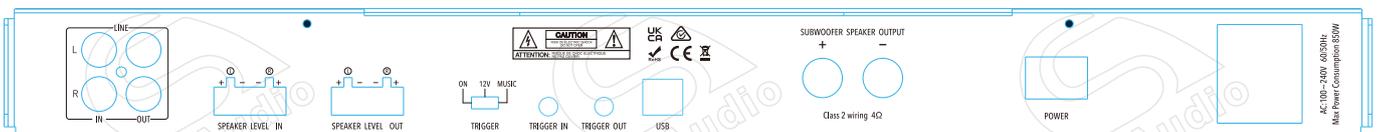
DSP solution AUAD1701

Power amplifier in desktop type, works with passive subwoofer coordinately.

Specifically to drive subwoofers efficiently, reproduce deep and impactful bass.

Excellent performance at Harmonic Distortion (THD) and signal-to-noise (S/N).

Item	Parameter
Output power (RMS)	600W@4Ω (or 300W@8Ω)
CLASS-D Drive chip	AUIRS2092
MOSFET	IRFB4227PBF
POWER-Drive	ST-L6599D
Frequency Response@100Hz,0dB	20Hz-200Hz
THD@Rated Power	<1% , 600W limiter
S/N@Rated Power	>90dBm (+A weight)
Standby power consumption	<0.5W
Input Sensitivity Rated Power	250mV
Speaker level Input	<10V
High Voltage Test Control	3000VAC Volume, ADJ FREQ(40-200Hz), Phase( 0/180°) TRIGGER IN & OUT
AC Voltage Input	100-120/220-240Vac 60/50Hz
Product size	W435xH43xD248(mm)
Net weight	4.40 kgs





## AS Class-D Dual-channel Amplifiers

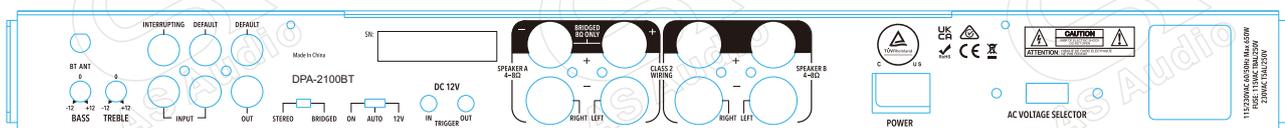
**Bluetooth V5.3**

Bridgeable to be at 8Ω

Dual Source Amplifiers, better sound for TV Amplifiers

Universal in/out 12v triggers as well as zone-specific in/out triggers.

Item	DPA-275BT	DPA-2100BT	DPA-2200BT
Output Power (RMS)	75W*2Ch@4Ω	100W*2Ch@4Ω	200W*2Ch@4Ω
Power consumption in working mode	220W max	260W max	640W max
Function buttons	N/A	Power on/off	Power on/off
Trigger function	N/A	Yes	Yes
Power consumption in standby mode		≤0.5W	
Bluetooth solution, sensitivity	ATS2853 V5.3, 600mV	N/A	ATS2853 V5.3, 600mV
Aux Input sensitivity	770mV	680mV	770mV
S/N (A+ weight)	95dB	95dB	95dB
Pre out	Yes	N/A	Yes
Harmonic Distortion (THD)	0.01 % (Rated output: -3dB), 4 Ω, 1 kHz		
Impedance		10KΩ	
Power consumption in standby mode		≤0.5W	
Frequency Response / Sat channel		20Hz - 20k Hz (-3dB)	
Crosstalk		65dB	
Product size (mm)	H44*W220*D141	H44*W435*D166	H44*W435*D266
Packing Dimensions (mm)	H103*W280*D201	H148*W525*D270	H148*W525*D370
Net weight	1.00 kgs	2.50 kgs	4.05 kgs
Gross weight	1.40 kgs	4.10 kgs	5.55 kgs
Cabinet color & material	Customization, or Galvanized iron & Baked finish		





# AS Class-D Mixer Amplifier

**Bluetooth V5.3**



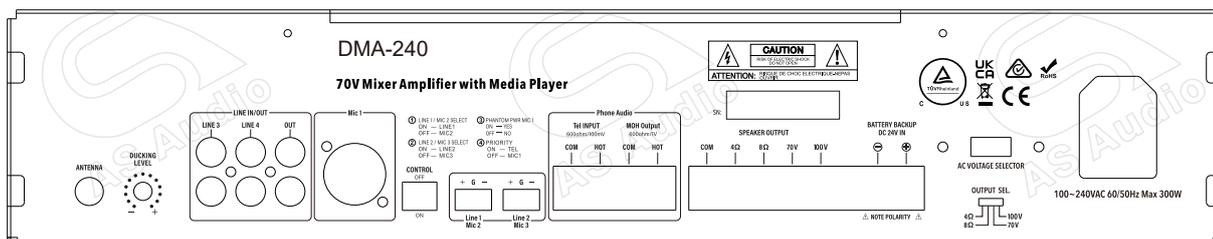
Advanced LCD display, USB playback



Switchable XLR input with 24V phantom power, especially for paging and condenser microphones.

Especially designed for announcements, intercommunications, background music, broadcasting, etc.

Item	AS DMA240	AS DMA60
Output power (RMS)	240W: 4Ω/8Ω/100V/70V	60W: 4Ω/8Ω/100V/70V
Power consumption in working mode	410W max	100W max
Power consumption in standby mode		≤1W
S/N (A+ weight)		85dB
Frequency Response		55Hz -20K Hz (-3dB)
Input impedance		10KΩ
Harmonic Distortion (THD)	0.1 % (Rated output: -3 dB), 4Ω, 1K Hz	
- Input sensitivity: MIC 1~3		5mV
- Input sensitivity: LINE 1 & 2		100mV
- Input sensitivity: LINE 3 & 4		250mV
- Input sensitivity		150mV
Bluetooth solution	Yes, Bluetooth BT8961B2 V5.3	
AUX (R&L)	Yes	N/A
Tuner	Yes	Yes
Tone control	BASS, TREBLE (+/-12dB)	NA
Pre out	Yes	N/A
Product size	W435xD248xH88 mm	W435xD248xH88 mm
Packing Dimensions	W525xD370xH191 mm	W525xD370xH191 mm
Net weight (kg)	5.10	4.80
Gross weight (kg)	7.30	7.00
Cabinet color & material	Customization, or Galvanized iron & baked finish	





## AS Class-D PRE-1 Amplifier

Excellent equalization (EQ),  
Compatible with various inputs

**Compatible with various inputs as Phono, Microphone, AUX, CD/DVD, Tape sources;**

**Tone controls: bass +/-12dB, mid +/-6dB, treble +/-12dB**

Item	Parameters
Frequency Response	20Hz - 20K Hz (-3dB)
S/N (A+ weight)	85dB
Harmonic Distortion (THD)	0.1 % (Rated output: -3 dB, 4 Ω, 1 kHz)
Input impedance	47KΩ
Phono input sensitivity	3mV
Microphone input sensitivity	10mV
AUX1 / 2 input sensitivity	150mV
CD/DVD input sensitivity	150mV
TAPE (play/rec out) sensitivity	150mV
Tone control	Bass: +/-12dB Mid: +/- 6dB Treble: +/-12dB
Output	500mV
Power consumption in working mode	20W Max
Power consumption in standby mode	≤0.5W
Product size (WxDxH) mm	W435xD166xH44
Packing Dimensions (WxDxH) mm	W525xD270xH148
Net weight (kg)	2.20
Gross weight (kg)	3.30
Cabinet color & material	Customization or Galvanized iron & Baked finish





# AS BOX1-TRB

 **Bluetooth V5.3 AptX**

Supported by QCC3031



Qualcomm aptX Low Latency technology ;  
Ideal to stream the TV audio to wireless headphones or speakers ;  
Various audio ports included, compatible digital & analog inputs OR outputs be EXCHANGABLE in the same box.

Item	Parameters
Bluetooth solution	QCC3031 V5.3
Harmonic Distortion (THD)	0.01 % (Rated output: -3 dB), 4Ω, 1 kHz
S/N (A+ weight)	95dB
Power consumption in working mode	5W max
Power consumption in standby mode	≤0.5W
Input sensitivity	775mV
Input impedance	10KΩ
Output impedance	600Ω
AUX input (R&L)	Yes,775mV
Frequency Response	20Hz-20k Hz(-3dB)
Crosstalk	65 dB
Product size	W100xD96xH29 mm
Packing Dimensions	W145xD140xH80 mm
Net weight (kg)	0.15
Gross weight (kg)	0.35
Cabinet color & material	Customization, or galvanized iron & baked finish



# AS BOX2-58G

## 5.8G & 5.2G Dual Bands

Mostly suitable for powered audio devices.  
Supported by Everestek EV01SE



Dual bands includes 5.8G (Blue) and 5.2G (Red) and delivers audio up to 24bit/48kHz;  
Wireless transmission & receiving adapter kits, works with specified subwoofers or other speakers;  
High-quality wireless transmission delivers all details;  
Designed with latency of <17ms and transmission distance >30M

Item	Parameters
Frequency Response@100Hz 0dB	25Hz-20kHz
THD@Rated Power	<0.1% , 200mV @1KHz
Signal To Noise (+A weight)	>88dBm
Latency (delay time)	<10ms
Bands	5.8G / 5.2G
Transmission distance	>30M
AUX Input Sensitivity Rated Power	300mV
Output power	5mW
Impedance (Input&Output)	100KΩ
INPUT 1 & 2	3.5mm Jack & Type C
OUTPUT 1 & 2	3.5mm Jack & Type C
Control keys	1. Long pressing the buttons together to control the channel selection and pairing; 2. Short pressing to jump the band.
Indicator light	5.8G (Blue), 5.2G (Red)
Voltage Input	Type C, DC +5V
Product size	H75xD45xW22 mm
Net weight	0.60 kgs/set
Cabinet color & material	ABS, Alu or customization



**i4c bookshelf speakers**  
**i4p table speaker**

**Bluetooth V5.3**



**Wood cabinet, designed to achieve the most accurate sound;**

**Amplifier built with Bluetooth V5.3, TV-arc, Optical, AUX, Phono inputs, incredible good sound.**

Item	AS i4c speaker (by pairs)	AS i4p (by pcs)
Power consumption in working mode	180W	90W
Power consumption in standby mode	≤0.5W	≤0.5W
Remote control	Yes	Yes
DSP solution	NTP8938	NTP8835
Bluetooth solution	ATS2853 V5.3	ATS2853 V5.3
Bluetooth input impedance	10KΩ	10KΩ
Bluetooth sensitivity	0dB(1KHz)	0db(1KHz)
Optical sensitivity	0dB(1KHz)	N/A
TV-ARC sensitivity	0dB(1KHz)	N/A
AUX sensitivity	750mV(1KHz)	750mV(1KHz)
Phono sensitivity	5mV(1KHz)	N/A
Harmonic Distortion (THD)	0.01 % (Rated output: -3 dB), 4 Ω, 1 kHz	
S/N (A+ weight)	95dB	≥90dB
Frequency Response / Sat channel	40Hz - 2.5k Hz (-3dB)	30Hz-2.5KHz
Frequency Response / Subwoofer	2.5KHz -20KHz (-3dB)	2.5KHz-20KHz
Speaker power (RMS)	2ch* WF/60W(4Ω)+ TW/ 15W(8Ω)	1ch* WF/60W(4Ω)+ TW/15W(8Ω)
Woofer basket material & treatment	4-in Black steel	
Woofer cone size and material	Mat black paper cone	
Tweeter dome size and material	1-in Black silk dome	
Frequency Response	50Hz - 20KHz	60Hz - 20KHz
Sensitivity	90dB / M/W	88dB / M/W
Product size (HxWxD) mm	W155*D200*H247	W236*D148*H138
Packing Dimensions (HxWxD) mm	W457*D292*H345	W316*D228*H265
Net weight (kg)	7.20	2.96
Gross weight (kg)	8.65	3.90
Cabinet color & material	Customization, or MDF cabinets with grey grille	

**BS-3A/4A/5A Class-D  
Powered bookshelf speakers**

**Bluetooth V5.4 aptX HD**

Supported by QCC3083



**Ultra-low power, unprecedented power efficiency ;**

**Lossless and high-resolution audio (24-bit 96kHz) ;**

**Bluetooth LE Audio - including audio sharing, Auracast™ broadcast audio.**

Item	BS-3A	BS-4A	BS-5A
Bluetooth solution		QCC3083 BT 5.4	
MCU with DSP solution		ACM8628	
Inputs	BT, TV-arc, USB audio, Opt, AUX, Phono		
Amplifier output power (RMS)	2Chx35W	2Chx35W	2Chx35W
Harmonic Distortion (THD)	0.1%(4Ω 1kHz)	0.1%(4Ω 1kHz)	0.1%(4Ω 1kHz)
Power consumption in standby mode	≤0.5W	≤0.5W	≤0.5W
Remote control (Y/N)	Yes	Yes	Yes
Input impedance	10KΩ	10KΩ	10KΩ
S/N (A+ weight)	≥ 90dB	≥ 90dB	≥ 90dB
Frequency Response	65Hz- 20k Hz	55Hz- 20k Hz	45Hz- 20k Hz
Speaker power (RMS)	2Chx(15W+30W)	2Chx(15W+35W)	2Chx(15W+40W)
Woofer	3" paper cone	4" fiberglass cone	5" fiberglass cone
Tweeter	0.75" silk dome	0.75" silk dome	0.75" silk dome
Sensitivity	85dB / M/W	86dB / M/W	87dB / M/W
Product size (mm)	W110 x H194 x D155	W140 x H235 x D200	W158 x H248 x D200
Net weight	3.60 kg (1 pairs)	5.50 kg (1 pairs)	7.20 kg (1 pairs)
Cabinet color & material		PVC Coated / Painted MDF	



## Air5 & Air 5 Pro Handled speakers



DSP NTP8935



**Wood cabinet, designed to achieve the most accurate sound;**

**Amplifier built with Bluetooth V5.3, TV-arc, Optical, AUX, Phono inputs, incredible good sound.**

Item	Parameters
Speaker Unit	Tweeter 1" 4 Ω, Woofer 5.25" 4 Ω
Frequency Response	+/-3dB@1KHZ 0dB 40Hz-20KHz
THD @Rated Power	LF(4Ω):60W≤2% ;HF(8Ω):15W≤1% limiter
Rated Power Signal To Noise (+A)	LF≥85dB (1K Hz)Max Power;HF≥85dB (10K Hz)@Max Power
THD+N Ratio (1W)	LF≤0.1%(1K Hz);HF≤0.1%(3.5K Hz)
Noise Level	LF≤0.5mV;HF≤0.5mV
Crosstalk One Channel Undriven	LF≥68dB(1W);HF≥68dB(1W)
Crossover Point	3.2KHz(AMP), 3.3KHz(SPL)
Bluetooth input sensitivity	0dB
Low Frequency Input Sensitivity	500mV/60W(65Hz)
High Frequency Input Sensitivity	850mV/15W(5KHz)
High Voltage Test	3000V 5mA
Standby power consumption	<0.5W
Input Mode	Aux / Phono / Opt / HDMI(Arc) / BT5.3
Output Mode	RCA (Pre- out)
Output Power	4 x Speakers, LF=60W×2Ch + HF=15W×2Ch
AC Voltage Input	100~240 VAC, 60/50 Hz
Product size	H186.4mm*W184.9*D301.4mm
Net Weight	4.50 Kg
CLASS-D chip with volume control chip	NTP8935 (AMP+DSP)
MOSFET	HW15N65F
Power-Drive chip	LD7575PS
Operational amplify	TP2412 (Phono); TPF632C (Pre- out)
MCU	Actions ATS2853
Bluetooth chip	<b>Air 5: ATS2853 BT5.3 &amp; Air 5 Pro: Qualcomm QCC3083 BT5.4</b>



## AS Monitor5

### Class-D Monitor speakers

Supported by TDA3251



**Originally amplify without any added sound;**

**Relatively uniform response to different frequencies;**

**Provides a neutral and unbiased sound environment.**

#### Item

Tweeter

Woofer

Speakerbox size

Frequency Response @100Hz 0dB

THD\_High frequency@Rated Power

THD\_Low frequency@Rated Power

S/N (+A weight)

Standby consumption

Input 1 (RCA) Low Level Input Sensitivity

Input 2 (XLR) LFE Input Sensitivity

High Voltage Test

Output

Class-D Drive chip

Control

Ac power

PCBA size

#### Parameters

20mm Black silk dome, 30W@8Ω

5.25", Black Alu cone, 80W@4Ω

H300\*W185\*D200 mm

20Hz-20KHz

<1% , 30W

<1% , 80W

>90dBm

<0.5W

775mV

1.55V

3000VAC

1 x Speaker

TDA3251

Volume level,

LF-TRIM (100Hz ±5dB),

HF-TRIM (10KHz ±5dB)

110V/60Hz or 220V/50Hz

H176xW108xD66 mm

DongGuan AS AUDIO Co. Ltd. 东莞市爱笙电子科技有限公司

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Zip: 523641

Web: www.as-audio.cn



## AS BS-M6 DUAL

### Powered Monitor speakers

## Bluetooth V5.0

Supported by QCC5124

Suitable for both Home audio and Profession usages;

Single output boosts each 2-way speaker independently.

#### Item

#### Parameters

System mode	2-way 4-speaker inverted phase system
CLASS-D chip	TPA3116D2/TPA3126D2
MOSFET	HCD65R320/WMO30P10TS
MCU	STC8H1K24
BT chip	QCC5124 (BT5.0)
Tweeter	1" dome tweeter, 25W@8Ω
Woofers	6.5" mid-range & woofer, 80W@6Ω
Frequency Response@1KHZ 0dB	35Hz-20KHz
THD@Rated Power	<1% 43W(6R) / <5% 52W(6R) limiter
Signal To Noise (+A)	>91dB @Max Power
Tweeter/woofer Noise Level	<450uV/410uV
Crossover point	3.1KHz
Standby power consumption	<0.5W
Power supply	100-240VAC 60/50Hz
Product size	W230xH365xD276 mm
Net weight	6.80 kgs



## AS-310 Soundbar as a 2.1 system

 **Bluetooth V5.3**

Optional Karaoke function.

**All-in-one, equipped with DSP to enhance your listening, KTV singing or Speech experience with TV (Arc), Bluetooth, USB, Coaxial, Optical and Aux (3.5mm) inputs; bass EQ +/- by remote control.**

Item	Parameters
Power output (RMS)	2.1 system, 2Ch*13W/ch + 40W/Sub, 4Ω
Power consumption in working mode	72W
Power consumption in standby mode	<1.3W
Input sensitivity	500mV
Frequency Response / Sat channel	200Hz - 20k Hz (-3dB)
Frequency Response / Subwoofer	20Hz - 200 Hz (-3dB)
Harmonic Distortion (THD)	0.05% (Rated output: -3 dB),6Ω, 1 kHz
S/N (A+ weight)	85dB
Remote control	Yes
Power adapter	Yes, 24V/3A
DSP solution	AD83586B
Bluetooth solution	V5.3, AB5301A
Subwoofer unit	3", Black steel basket, paper cone
Full-range driver	100x60mm, Black steel basket, paper cone
Frequency Response	55~20KHz
Sensitivity	86dB /M/W
Product size (WxDxH) mm	W920xD134xH80
Packing Dimensions (WxDxH) mm	W1005xD294xH182
Net weight (kg)	4.50
Gross weight (kg)	5.70
Cabinet material & material	Per customization



## AS Class-D amplified BT2N (TX-RX) transceiver

### bookshelf speakers & powered subwoofer



Multi channels broadcast.

**Serial connection (TX connects to RX): Conveniently be used for multi channels for background music, and to set up a N.N system by selecting L/R/L+R channel.**

TX: the data-sending end, generally plays the role as the transmitter;

RX: the data-receiving end, generally plays the role as the receiver, low latency (<60ms).

Item	AS TA4 Bookshelf speaker	AS SUB300 Subwoofer
<b>Amplifier output power (RMS)</b>	Woofer=60W@4Ω; Tweeter=15W@8Ω	40hm 300W
Power consumption in working mode	90W	390W max
Power consumption in standby mode	≤ 0.5W	≤ 0.5W
Remote control (Y/N)	Yes	N/A
DSP solution	NTP8835	N/A
Bluetooth solution	ATS2835P V5.3	ATS2835 V5.3
Bluetooth input sensitivity	600mV	175mV
Aux (R&L) input sensitivity	N/A	250mV
Input impedance	10KΩ	10KΩ
Harmonic Distortion (THD)	woofer=60W≤0.1%(4Ω 1kHz); tweeter=15W≤0.1%(8Ω 1kHz)	0.01 % (Rated output: -3 dB), 4 Ω, 100Hz
S/N (A+ weight)	≥ 90dB	103dB
Frequency Response	30Hz-2.5KHz-20Hz	20Hz - 200 Hz (-3dB)
<b>Speaker power (RMS)</b>	50W	350W
Woofer basket material & treatment	4.5" coaxial, black steel basket	10", black steel basket
Woofer cone size and material	Mat black paper cone	Mat black paper cone
Tweeter dome size and material	0.75" silk dome	N/A
Frequency Response	60Hz - 20KHz	20Hz - 100Hz
Sensitivity	88dB / M/W	89dB /M/W
Product size (WxDxH) mm	W240xD220xH359	W310xD310xH310
Packing Dimensions (WxDxH) mm	W315xD295xH439	W402xD402xH443
Net weight (kg)	5.80	12.70
Gross weight (kg)	7.20	14.20



## AS SWS-CEIL1 Wireless Powered Ceiling speakers



Multi-channel solution



Lossless and high-resolution audio (24-bit 192KHz)

Compatible with Airplay, BT5.0, DLNA upnp, Spotify, Tidal, Deezer, Qobuz, Amazon Music, QQ Music etc.

Bluetooth 5.0, AUX in (3.5mm)

Item	Parameter
<b>Speakers:</b>	
Tweeter:	1" Metal Aluminum
Woofer:	6.5" Glassfiber
Sensitivity:	90dB $\pm$ 3dB
Frequency response:	50Hz-22kHz
Net weight:	Active=1.80kg, Passive=1.60kg
Product size:	$\varnothing$ 237 x H110 mm
Cut-out mounting:	$\varnothing$ 210 x D105 mm
<b>Amplifier:</b>	
Output power:	Tweeter 15W@8 $\Omega$ x2ch Woofer 60W@4 $\Omega$ x2ch
S/N:	$\geq$ 90dB(A weight)
THD:	$\leq$ 0.95%
Sampling:	24 bit / 192 KHz
Wired network speed:	10/100 Mbps
Wireless network speed:	802.11 b/g/n standard with up to 300 Mbps
Working temperature:	40 $^{\circ}$ C
Power supply:	AC 100-240V, 50/60Hz / 94W
Inputs:	AUX IN(3.5mm) x1, BT5.0 x1, WiFi x1, RJ45 x2
Buttons:	Pairing/reset x1, Source/Input x1



## AS-WF51 Wireless Ceiling + Subwoofer Powered 5.1A system

 **Bluetooth V5.3**

LCD display controlling



Decoding D2 solution, WiFi player

WiFi supported by SMSC DWHP83 Module (bases on Microchip DARR-83) Wireless Audio Processor

Item	Parameters
Remote controller	Yes
Controlling jack	RS-232
Updating jack	USB2.0
Inputs	2xHDMI, 1 x Analog, 1xOptical, 1xBT5.3 (Actions)
Output	1xHDMI,
Power supply	DC 12V/2A
<b>Satellite 5 speakers:</b>	
Power supply	DC 24V/3A
Output power	Tweeter 20W(4Ω), mid-range & woofer: 60W(4Ω)
Tweeter	13mm alu dome with neodymium magnet
Mid-range & woofer	Coaxial 3.5" 4Ω
Frequency respons	110Hz-20kHz
Sensitivity	300mV
Distortion	< 0.1% (1W 1KHz)
S/N	> 90dB (A+weight)
<b>Subwoofer:</b>	
Power supply	AC 100V~240V, 50/60Hz
Output power	600W THD 1%
Woofer unit	10" long stroke, 4Ω
Frequency response	20Hz-110Hz
Sensitivity	200mV 100Hz THD1%
Distortion	< 0.8% (1W 100Hz)
S/N	> 80dB (A+weight)



## AS Class-D amplifier TriAmp / 3-way

DSP solution: AD83586C



Separate amp for the lows, mids, and high frequency,  
Volume Control: System gain range from -12 dB to 0 dB;

Balanced XLR and ¼" TRS line inputs and unbalanced RCA inputs;

Distortion-Free Playback at Max Volume Listening;

World class top of the line audiophile grade components, Thermal and Overload / Clip Protection.

Item	Parameters
DSP solution	AD83586C
Frequency Response	TW: 3KHz-20KHz MF: 300Hz-3KHz WF: 20Hz-300Hz
Function buttons	Volume +/-, Gain 0/-12dB; Low filter -3/0/+3dB, High filter -2/0/2dB
RCA Input sensitivity	400MV (1KHz)
XLR Input sensitivity	800 (1KHz)
Input impedance	10KΩ
Harmonic Distortion (THD)	TW=20W ≤ 1% (4Ω 5kHz) MF=40W ≤ 1% (4Ω 1kHz); WF=150W ≤ 1% (4Ω 100Hz)
S/N (A+ weight)	≥ 85dB
Power output	TW=20W@4Ω; MF=40W@4Ω; WF=150W@4Ω
Power consumption in working mode	180W
Power consumption in standby mode	≤ 0.5W
Product size (mm)	H132*W210*D200
Packing Dimensions (mm)	L271*W261*H195
Packing weight (kg)	0.95Kg



**AS FL-M6 Monitor  
HiFi Floor standing  
Active speakers**

**DSP TPA3156D2**

**Bluetooth V5.4 aptX HD**

Supported by QCC3803



Each loudspeaker optimizes for a specific part of the audio spectrum:

**Woofer** — handles low frequencies (bass)

**Midrange driver** — covers the vocal and instrumental sweet spot

**Tweeter** — produces high frequencies (treble and sparkle)

Each driver is assigned its range through an internal crossover, ensures cleaner separation of frequencies and less distortion.

Item	Parameters (2-way 6-speaker sealed system)
Speaker Unit	Dome tweeter: 2" 8 Ω ; woofers x 2: 6" 4 Ω
Frequency Response +/-3dB@1KHZ 0dB	35Hz-20KHZ
THD @Rated Power	LF<1% 70W(4Ω), HF<0.5% 30W(8Ω) limiter
Rated Power Signal To Noise (+A)	LF>99dB, HF>95dB @Max Power
THD+N Ratio (1W)	LF<0.03%, HF<0.02% @1W
Noise Level	LF Level < 180uV, HF Level < 250uV
Crosstalk One Channel Undriven	80dB/90dB
Crossover Point	2.5KHZ
Bluetooth input sensitivity	800mV(1KHZ)
PHONO /XLR Input Sensitivity	800mV(1KHZ)
RCA input sensitivity	800mV(1KHZ)
High Voltage Test	3000V 5mA
Standby power consumption	<0.5W
Inputs	RCA Jack/ PHONO/XLR Jack, BT/USB
Controls	Volume, MODE, telecontroller(remote control), Trigger In
Output Power	4 x SPEAKER
AC Voltage Input	100~240 VAC, 60/50 Hz
Product size	H900 (+30) mm*W206*D266mm
Net Weight	29.8 kg
CLASS-D chip	TPA3156D2
MOSFET	HCD65R320/WMO30P10TS
Power-Drive chip	OB5269CP
Operational amplifiy	TL074
MCU	STC8H8K24
Bluetooth chip	QCC3083 BT5.4
Volume Control chip	NJW1195A