

# 2024 Technologies & Products

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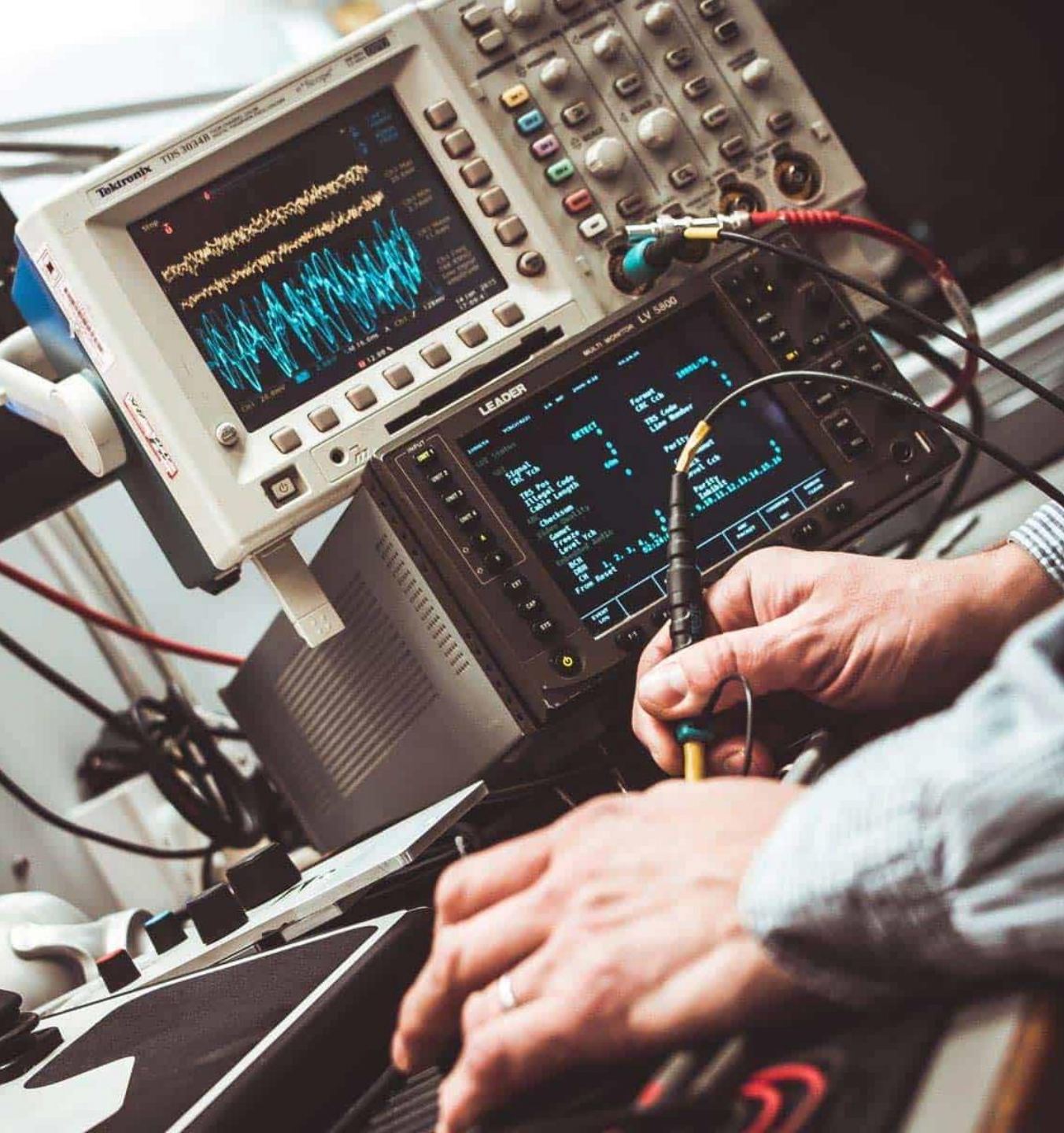
**iweex**<sup>®</sup>  
未 可 思

*Audio product brand  
for government and enterprise industries*

**GAODIMIC**<sup>®</sup>  
高 德 麦

*Audio product brand in stage art industry*





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# Technologies



## **ANALOG AUDIO**

模 拟 音 频

FM MODULATION

RADIO WIRELESS TECHNOLOGY

## **DIGITAL AUDIO**

数 字 音 频

AD/DA + DBQSK MODULATION MOBILE

COMMUNICATIONS WIRELESS TECHNOLOGY

Industry technology trends

ANALOG AUDIO		DIGITAL AUDIO	
UHF BAND		UHF BAND	2.4G/5.8G BANDS
Freq. Response	Normal gain cannot be guaranteed in the high and low frequency bands, and the frequency response range is generally limited to 60Hz~15KHz.	20Hz~20KHz, 24bit sound quality, comparable to wired transmission.	Same as left
Phase Shift	The phase cannot be controlled and there is phase jitter. Sound field testing cannot be supported.	Able to achieve $\pm 30^{\circ}$ phase deviation and support sound field testing.	Same as left
Immunity to Interference	It is prone to frequency interference, such as multi-channel concurrency, and third-order intermodulation cannot be avoided.	The wireless environment is better and can solve the cross-frequency problem.	Facing interference from high-power WiFi.
Sound Quality	Because of the filter attenuation, generally only low loss in the midrange part can be guaranteed.	It can display rich bass, treble will be crisper, and the sound level will be richer and fuller.	Same as left
S/N	Generally >95dB; professional-grade equipment >110dB, industry best >120dB.	Generally >95dB; domestic optimal >129dB, international optimal >130dB.	Same as left
Penetrating	The U-segment has better penetration and belongs to the golden band range of communication.	The U-segment has better penetration and belongs to the golden band range of communication.	2.4G/5.8G carrier physical characteristics, poor penetration ability
Attenuation	Better attenuation	Self-calibration technology ensures good equipment stability and doubles the stable life cycle of the entire machine.	The wavelength is too short and the attenuation is too fast
Equipment Worn Out	Phase-locked loops have extremely high requirements for analog components. Due to the aging of components in 1 to 2 years, the modulation frequency point drifts and the sound deteriorates.	Self-calibration technology ensures good equipment stability and doubles the stable life cycle of the entire machine.	Same as left
Encryption Technology	Only pilot encryption exists and is very easy to crack.	Comes with encryption (channel encryption, audio encryption).	Same as left
Consistency	Analog devices have poor consistency, and capacitor devices have poor consistency.	Based on the advantages of integrated circuits, production consistency is good.	Same as left
Manufacture	The detection process is cumbersome and requires calibrating the carrier frequency circuit one by one, resulting in huge labor costs. The dynamic range is generally 110dB, and the maximum is only 120dB. The transmitter must be sensitively set.	The consistency is high and the production and testing process is simple. The input dynamic range can be as high as 134 dB without sensitivity setting.	Same as left



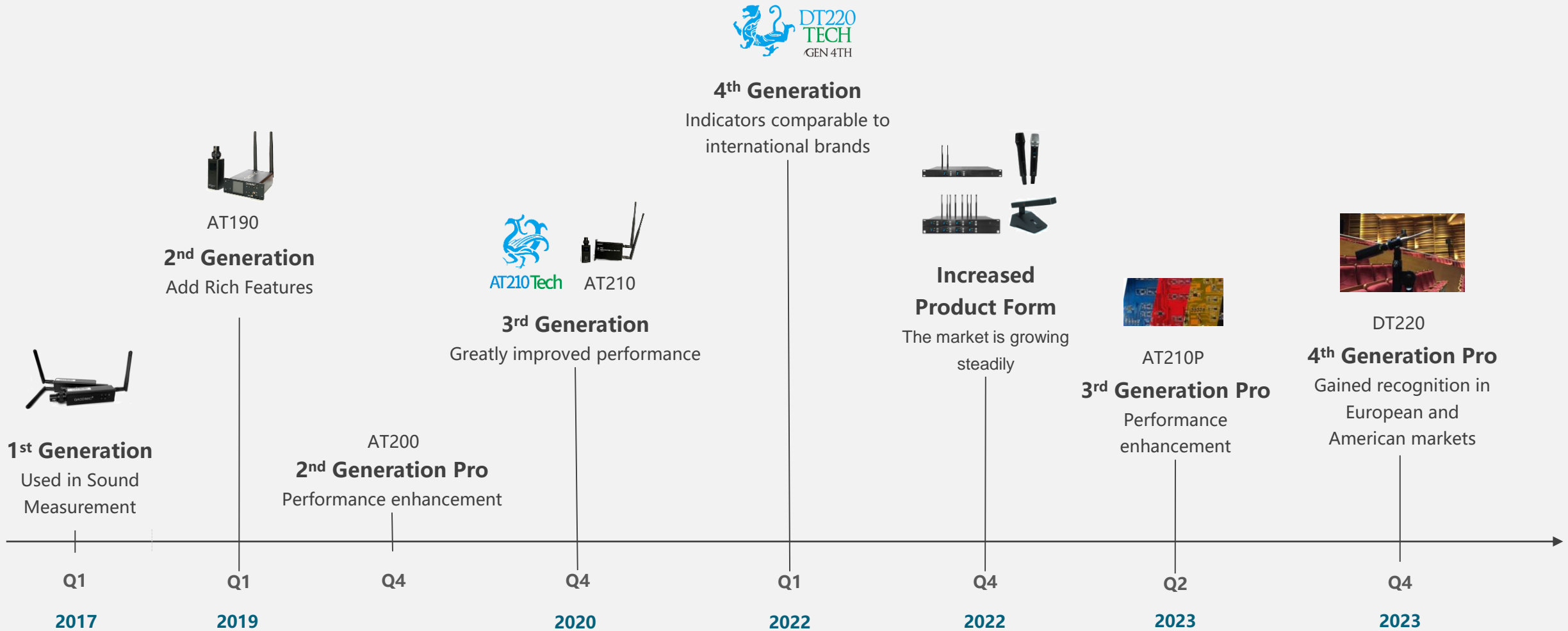
## DIGITAL AUDIO UHF WIRELESS TECH

Patent

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# DIGITAL AUDIO UHF WIRELESS TECH







The MAX increase is to 129dB (Q3 2023).  
Bringing a huge dynamic range and even more amazing noise control.

\* Top in Domestic



The distortion is as low as 0.03%, ensuring that the product provides high-fidelity sound quality

\* Excellent indicators In Domestic



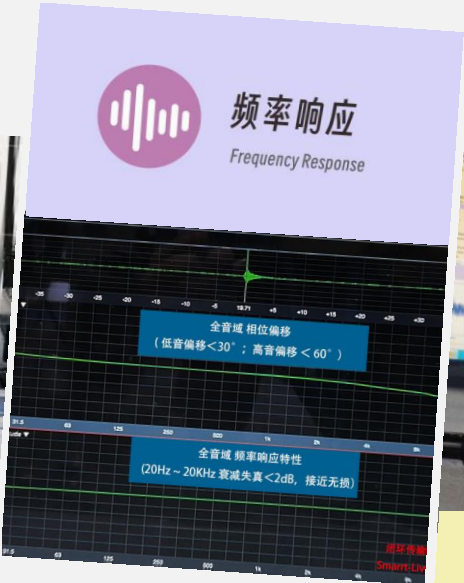
4th-generation technology, the effective transmission distance is increased to 120M. Far beyond the current digital 2.4G and 5G technologies.

\* Excellent indicators In Domestic



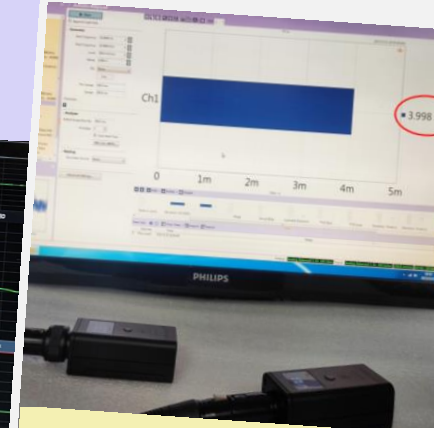
Full sound range, phase deviation control +30°~ -60°, far exceeding analog audio technology. Domestic exclusive acoustic testing equipment, exported to Europe & America & Asia

\* Excellent indicators In Domestic  
\* International peer recognition



20~20KHz full sound range, frequency response deviation <2dB, achieving lossless transmission of wireless audio.

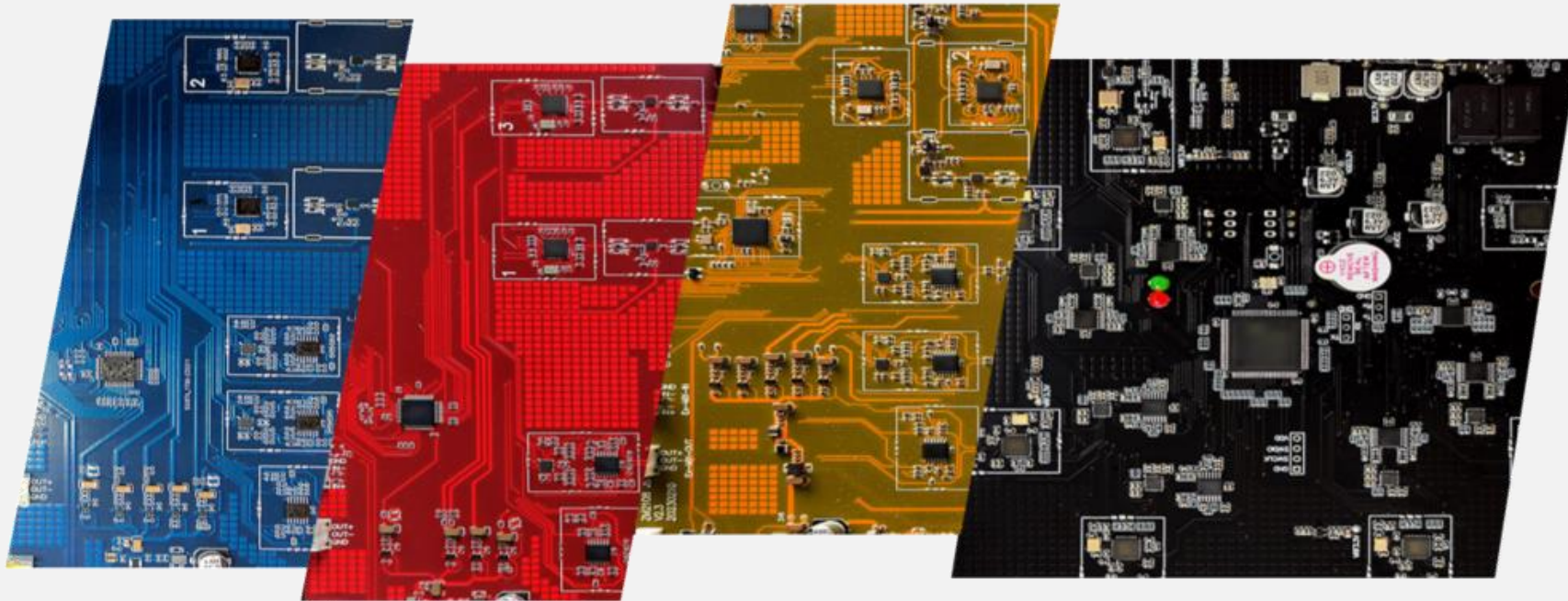
\* Top in Domestic



The measured transmission delay can reach as low as 3.86mS, which is second to none in the country and can be used in dance studio scenes.

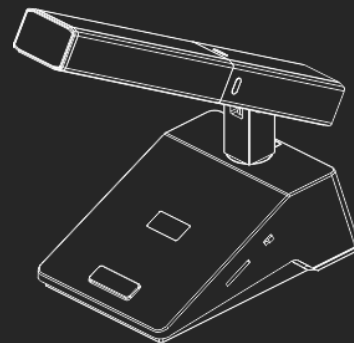
\* Top in Domestic





## *Independently Develop Multiple Technical Solutions*

Standard technology solutions, true diversity technology solutions, antenna diversity technology solutions, enhanced technology solutions, multi-link technology solutions, and wired and wireless convergence technology solutions provide a full set of ODM technology solutions for many well-known domestic brands.



## INTEGRATED CONFERENCE SYSTEM PLATFORM

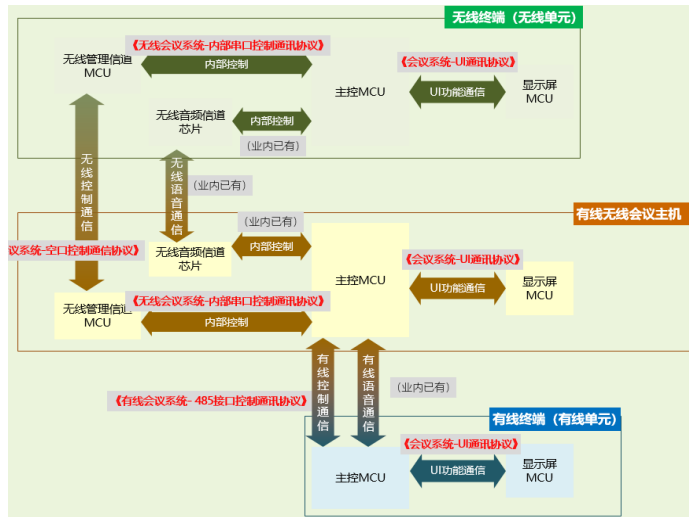
Patent

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# INTEGRATED CONFERENCE SYSTEM PLATFORM



The “iMeetingPlat™” conference system framework platform is iweex® self-developed technology platform. Through a series of protocols, the communication framework between each unit and module of the conference system is reconstructed, thereby achieving modular independence and coordinated processing of the conference system. Achieve true reliable integration of wired & wireless, as well as reliable and rapid iterative upgrades. The "iMeetingPlat™" architecture platform has been successfully used in the self-developed XDC230 series wired and wireless converged digital conference system products, as well as ODM wireless digital conference system products of several major brands in the industry. iweex® announced the invention patent content of "iMeetingPlat™", follows the GPL open source agreement, and provides free technical solutions to the industry.



## USER EXPERIENCE

## WITH NEW FEELING

The most direct benefits of the ODM solution using the "iMeetingPlat™" conference system framework platform are: Customers can design a UI solution that suits their own brand style and complete UI development by themselves. Realize a UI style product that is completely different from the previous industrial computer style, bringing users the user experience of mobile APP & innovative control experience.





## AUDIO AI ADAPTIVE DETECTION TECH

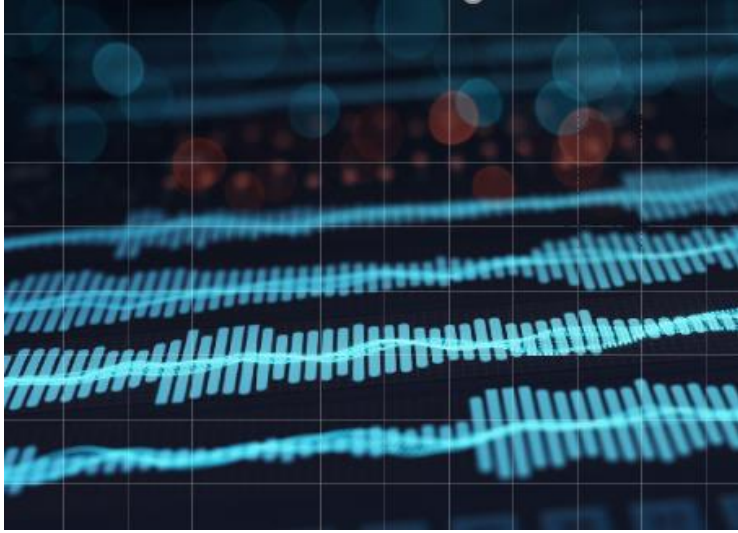
Patent

## HYBRID BATTERY POWER SUPPLY

Patent

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## AUDIO AI ADAPTIVE DETECTION TECH

Various types of wired and wireless conference units have built-in AI test devices, and the host machine has built-in AI analysis devices. They coordinate their work through AI algorithms to discover abnormal problems such as audio distortion or attenuation in the entire conference system.

## HYBRID BATTERY POWER SUPPLY

iweex® & GAODIMIC® is based on self-developed circuit technology patents and can support devices to switch freely between 3.7V 14500 lithium batteries, 3.7V 18650 lithium batteries, 1.5V AA alkaline batteries, and 1.2V AA rechargeable lithium batteries. , no manual setting is required. This technology can provide a very convenient experience for wireless handheld microphones and wireless conference system units. Well recognized by customers.







# The 12th Shenzhen Mass Entrepreneurship Competition

Professional wireless digital transponder (i.e. Digital Audio UHF Wireless Technology)

Advance to the semi-finals  
Government  
Entrepreneurship Subsidy



## Patent

A new 24-bit ADPCM audio compression and decompression method

Algorithm



## Patent

A circuit device that can support the mixed use of batteries with different voltages for power supply

Circuit Design



## Patent

A device and method for reducing background noise

Circuit Design



## Patent

A circuit device that can support the mixed use of batteries with different voltages for power supply

Circuit Design



## Patent

A conference system communication architecture method and system

Communication Agreement



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# Products

# Products

**DT Series**

**DIGITAL AUDIO UHF WIRELESS  
PRODUCT**

**AT Series**

**ANALOG AUDIO UHF WIRELESS  
PRODUCT**

**C Series**

**CONFERENCE SYSTEM  
PRODUCT**

**P Series**

**AUDIO PROCESSING  
PRODUCT**

**M Series**

**WIRE MICROPHONE  
PRODUCT**

**Au Series**

**AUDIO AUXILIARY  
PRODUCT**



**AT210P****3th Gen. [Plus Edition]***AT210P Sub Series*

Portable Set

Rack Mount Set

**T****TRANSMITTER***DTT220SUB SERIES**DWM220 SUB SERIES***TRANSMITTER**

Plug-in Mode

Bodypack Mode

Engineering Edition

**WIRELESS MIC**

Handhold Type

Straight Pole Seat Type

Gooseneck Seat Type

**R****RECEIVER***DTR220 SUB SERIES***SINGLE CHANNEL**

Plug-in Mode

Rack Mount Mode

**MULTI-CH (STANDARD)**

2 CHs Type

4 CHs Type

8 CHs Type

**MULTI-CH (STAGE MODEL)**

2 CHs Type

4 CHs Type

# DT Series **DIGITAL AUDIO UHF WIRELESS** **PRODUCT**

GAODIMIC®  
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3th Gen. [Plus Edition]

AT210P

## DIGITAL AUDIO UHF WIRELESS SETS



Hot

AT210PG-P  
**Portable Set**



Hot

AT210PG-R  
**Rack Mount Set**

Base on AT210P technology platform, exclusive domestically produced digital grenade. It is widely used in the stage art industry and exported to the professional audio industry in Southeast Asia, Europe and America

# DT Series DIGITAL AUDIO UHF WIRELESS PRODUCT

GAODIMIC®  
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DT220  
TECH  
GEN 4TH

4th Gen.  
DTT220

TRANSMITTER **T**



DTT223-B

## Bodypack Transmitter

32 channels of concurrent work,  
compact and stable



DTT225-R

## Rack mount transmitter (Engineering Edition)

32 channels work concurrently, with  
corresponding receivers, and the  
transmission distance exceeds 250M.



Flagship Model

New

DTT228-P

## Portable Transmitter

All performance indicators are second to none,  
SN>123dB, used for sound field testing + stage  
performance audio wireless transmission.

GAODIMIC®  
高德麦

舞美产品子品牌



DT Series

# DIGITAL AUDIO UHF WIRELESS PRODUCT

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DT220  
TECH  
GEN 4TH

4th Gen.

DWM220

WIRELESS MIC. T



DWM223  
**Handhold MIC.**



DWM223-TS  
**Seat MIC.**  
(Straight Pole)



DWM223-TS1  
**Seat MIC.**  
(Straight Pole)



DWM223-TS1  
**Seat MIC.**  
(Gooseneck Pole)



DWM224-TS  
**Seat MIC.**  
(Straight Pole)  
(2.8' Screen)



DWM224-TS  
**Seat MIC.**  
(Gooseneck Pole)  
(2.8' Screen)

500M band & 600M band of freq., 1 second pairing, multiple channels concurrently without crosstalk, stable and reliable performance. It has been widely used in government and enterprise industries and is the first choice for conference speech systems.

# DT Series DIGITAL AUDIO UHF WIRELESS PRODUCT

GAODIMIC®  
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DT220  
TECH  
GEN 4TH

4th Gen.  
DTR220

R E C E I V E R **R**



DTR223-1T

**1 CH Receiver**  
(Engineering Edition)



DTR225-1TE

**1 CH Receiver**  
(Engineering Edition)  
(Relay Module)

Developed for engineering projects to achieve long-distance digital audio transmission and control speaker switches

Flagship Model

New



DTR228-1P

**1 CH Receiver**  
(Portable Edition)

All performance indicators are second to none, SN>123dB, used for sound field testing + stage performance audio wireless transmission.

Flagship Model

New



DTR228-1R

**1 CH Receiver**  
(Rack Mount Edition)

GAODIMIC®  
高德麦

舞美产品子品牌

DT220  
TECH  
GEN 4TH4th Gen.  
DTR220

R E C E I V E R R



DTR223-2

**2 CHs Receiver**

DTR223-4

**4 CHs Receiver**

DTR223-8

**8 CHs Receiver**

DTR228-2ST

**2 CHs Receiver  
(Stage Edition)**

DTR228-4ST

**4 CHs Receiver  
(Stage Edition)**

The fourth generation DT220 technology platform, new generation operating software, 40 frequency points, 1 second pairing, multiple channels concurrently without crosstalk, stable and reliable performance. It has been widely used in government and enterprise industries and is the first choice for conference speech systems.

True diversity, dual antennas, dual line backup, SN>105dB,  
reception distance increased by 30%.



**T**

**TRANSMITTER**

*ATT190 SUB SERIES*

*AWM190 SUB SERIES*

**TRANSMITTER**

Bodypack Mode

**WIRELESS MIC**

Handhold Type

Straight Pole Seat Type

Gooseneck Seat Type

**R**

**RECEIVER**

*ATR190 SUB SERIES*

**MULTI CHS**

2 CHs Type

4 CHs Type

8 CHs Type



TRANSMITTER **T**

ATT193-B

**Bodypack Transmitter**

AWM193

**Handhold MIC.**

AWM193-TS

**Seat MIC.  
(Straight Pole)**

AWM193-TSD

**Seat MIC.  
(Straight Pole)**

AWM193-TG

**Seat MIC.  
(Gooseneck Pole)**

AWM193-TG2

**Seat MIC.  
(Gooseneck Pole)**

Wireless UHF communication, 640-690MHz, 200 channels to choose from. Infrared frequency binding. Ultra-low power consumption, the microphone unit has a continuous speaking time of more than 8 hours and a standby time of more than 10 hours. The conference unit microphone comes with a charging function. It has been widely used in government and enterprise industries and is the first choice for conference speech systems.

## R E C E I V E R R



ATR193-2

**2 CHs Receiver**

ATR193-4

**4 CHs Receiver**

ATR193-8

**8 CHs Receiver**

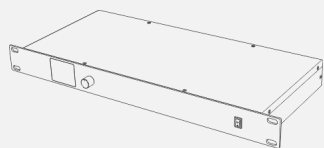
Using the unique patented ATGAT technology (automatic time slot allocation technology), the time division multiple access communication protocol (CSTDMA) with the ability to avoid and resolve communication conflicts automatically selects the optimal frequency for communication.

Fully automatic fixed frequency, infrared frequency matching, 200 channels freely selectable. Shuttle function knob, easy to operate.

C Series

# CONFERENCE SYSTEM PRODUCT

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DC

WIRED  
CONFERENCE  
SYSTEM

DC190 SERIES

Digital Conference System

WDC

WIRELESS  
CONFERENCE  
SYSTEM

WDC210 SERIES

Fully Digital Wireless  
Conference System

XDC

WIRED & WIRELESS  
INTEGRATED CONFERENCE  
SYSTEM

XDC230 SERIES

Wired & Wireless Integrated  
Digital Conference System

DC

DC190

Digital Conference System



DC190-S/SV

**Server**

(Standard Model / Video model)



DC190-CS/CS2/CSD

**Seat MIC.**

(Straight Pole)



DC190-CG/CG2

**Seat MIC.**

(Gooseneck Pole)

4 in and 4 out, divided into two hardware terminals: "Chairman" and "Attendant". Adopting mature technical solutions, it is stable and reliable. Used at numerous national conferences.



WDC

WDC210

Fully Digital Wireless Conference System

WDC210-S2  
ServerWDC210-CH  
Handhold MIC.  
(Capacitor Edition)WDC210-CS  
Seat MIC.  
(Straight Pole)WDC210-CS2  
Seat MIC.  
(Straight Pole)WDC210-CG  
Seat MIC.  
(Gooseneck Pole)

+

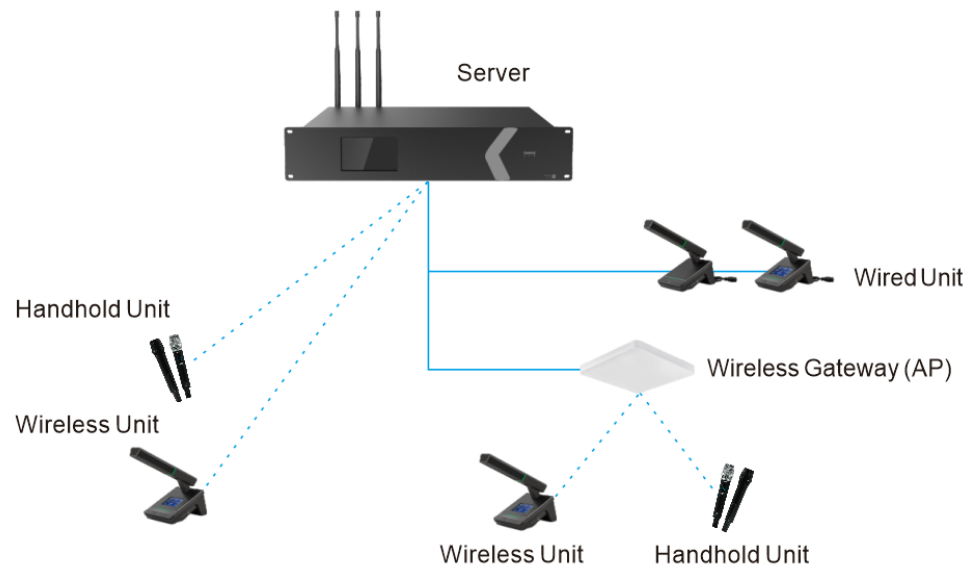


Truly All-Digital Communications

600MHz Voice Comm. + 2.4GHz Management Comm.; compared with the "analog voice + digital control" solution, it is more anti-interference and more reliable. Add preamplifier to increase the pickup distance. Using 600M Hz to transmit audio, it is more stable and reliable. Real-time monitoring of 12 frequency points and automatic frequency switching. 4 in and 4 out, supporting three speaking roles: "normal", "VIP" and "chairman". The hardware is newly upgraded and the antenna is strengthened. More stable and reliable, exported to European and American markets, used in Shenzhen mayoral meeting scenarios.

Wired + Wireless + AP Gateway

Solve the problem of flexible networking and wireless coverage of conference systems



Real-time monitoring, automatic frequency Switching

Solve the problem of wireless interference and frequency drop



### Traditional Plan

Each unit needs to configure a freq. point  
Occupy a lot of wireless resources  
And it cannot ensure that the freq. point is not disturbed

### Auto Freq. Switching

12 freq. points on the real-time monitoring site  
Automatic allocation of optimal freq. points  
It only takes up to 4 clean freq. points  
You can maintain all wireless units stable  
and not frequent freq.



C Series

# CONFERENCE SYSTEM PRODUCT

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XDC

WDC210

Wired & Wireless Integrated Digital Wireless Conference System

Flagship Model

New



XDC236-S

Sever



XDC236-AP

Wireless Gateway  
(AP)



XDC236-CHC

Handhold MIC.  
(Capacitor Edition)



XDC236-CWS

Wired  
Seat MIC.  
(Straight Pole)



XDC236-CWS2

Wired  
Seat MIC.  
(Straight Pole)  
(3.5 ' Screen)



XDC236-CLS1

Wireless  
Seat MIC.  
(Straight Pole)  
(2.8 ' Screen)



XDC236-CLG

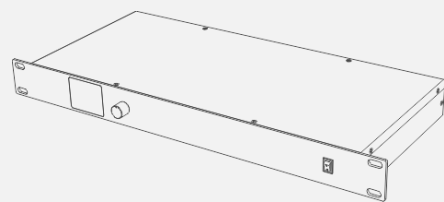
Wireless  
Seat MIC.  
(Gooseneck Pole)  
(2.8 ' Screen)

**P Series**

# AUDIO PROCESSING PRODUCT

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**PNS**

FEEDBACK  
SUPPRESSOR

**PDA**

AUDIO  
PROCESSOR

**PMX**

MIXER



PNS

FEEDBACK  
SUPPRESSOR



PNS231-ljz  
**Automatic  
Feedback  
Suppressor**



PNS232-yld  
**Smart  
Feedback  
Suppressor**

PDA

AUDIO  
PROCESSOR



PDA24-yld  
**2-in & 4-out  
Conference  
Processor**



PDA26-yld  
**2-in & 6-out  
Conference  
Processor**



PDA36-yld  
**3-in & 6-out  
Conference  
Processor**

PMX

MIXER



PMX231-yld  
**8-Way Mixer**



PMX232-yld  
**8-Way Mixer**

# M Series WIRE MICROPHONE PRODUCT

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**GAODIMIC**<sup>®</sup>  
高 德 麦



**M**

M SERIES

Sound Measurement Mic.

Condenser Mic.

2-Tubes Speech Condenser Mic.

2-Tubes Speech Condenser Mic.

Small Diaphragm Condenser Mic.

Mic.



M200-CD

**2-Tubes Speech  
Condenser Mic.**

It is widely used in major government meetings. Used with digital audio UHF wireless equipment, it can achieve excellent wireless audio effects on the podium in large venues.



M200-CQ

**4-Tubes Speech  
Condenser Mic.**

M190-S

**Sound Measurement  
Mic.**

Used in sound field test scenarios, with a excellent market feedback.



M221-C

**Small Diaphragm  
Condenser Mic.**

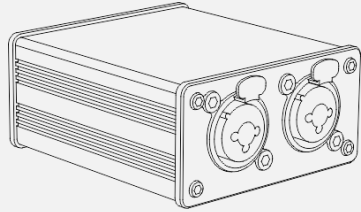
Stage miking, chorus miking.

**Au Series**

# AUDIO AUXILIARY PRODUCT

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**Au**

Audio Isolator

Audio Distributor

## AI Audio Isolator



AI180-KTV

**Audio Isolator  
(KTV Edition)**



AI180-WL

**Audio Isolator  
Protecting Module**



AI230-D

**Audio Isolator  
Protector**

It is widely used in the domestic audio industry and has a good customer reputation. The frequency response deviation is only -1~0.5dB, and the distortion can reach 0.00122%, which is many times higher than similar domestic products.

## AD Audio Distributor



AD180-S

**Audio Distributor  
Module**

1 input, and 2 isolated outputs + 1 direct output. The unbalanced signal is converted into a balanced signal transmitted by differential XLR cable, and the transmission distance can reach more than 100 meters.



AD180-E

**8CHs Audio Distributor  
(Rack Mount)**





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# Cases

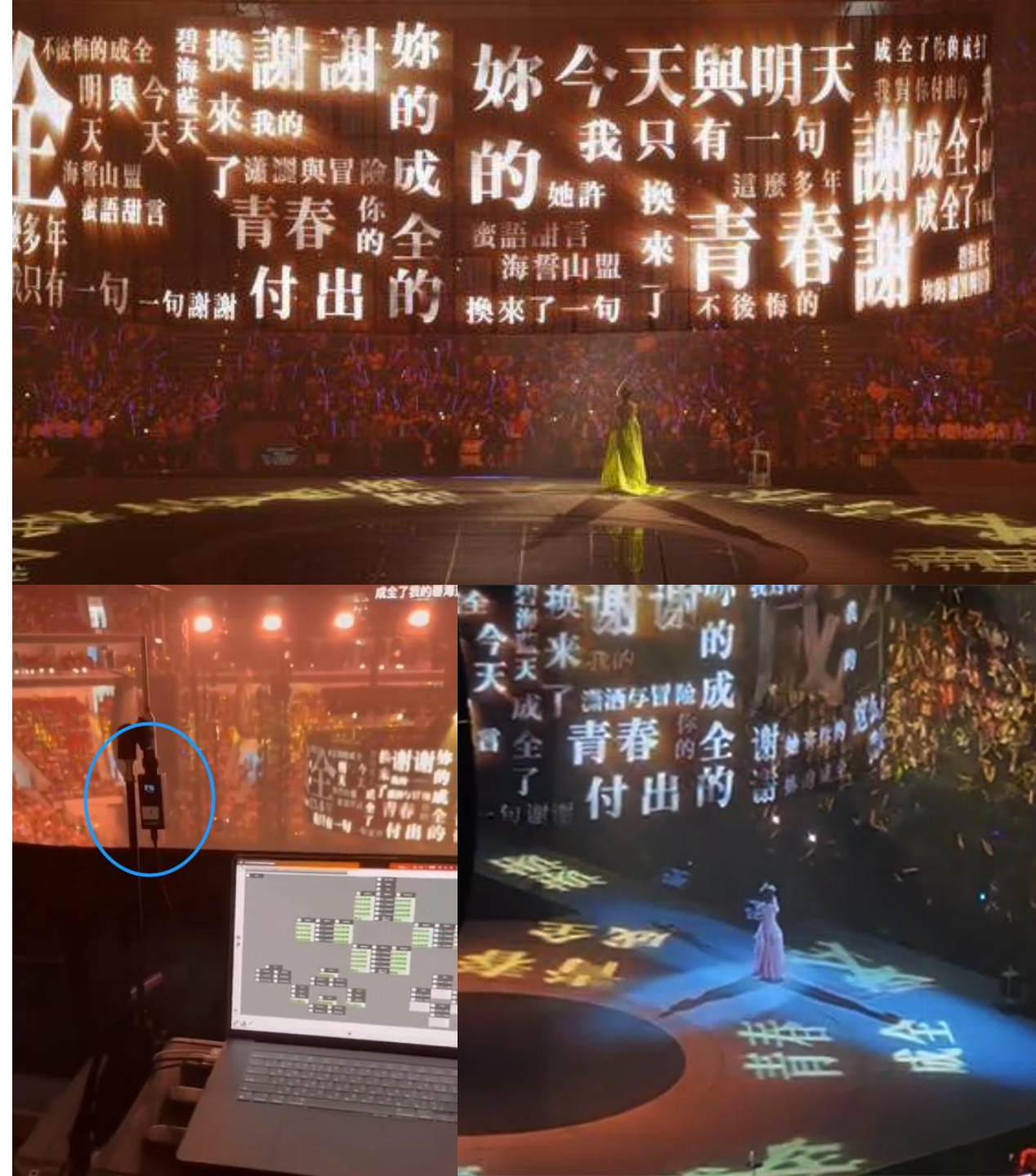
# SUCCESSFUL CASES

2023.1 ~ 2023.12

| Singapore, Shenzhen, Beijing, Wuhan and other 14 stations

## Rene Liu's Flight Day Concert Tour

Multiple sets of AT210P series digital audio UHF wireless system grenade products were used at each tour stop to complete the sound field testing throughout the concert.





# SUCCESSFUL CASES

2023.11 | Shenzhen

Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences

Full line replacement iweex® conference system

Due to the good experience and reputation, the Shenzhen Institute of Advanced Technology, the Chinese Academy of Sciences adopted iweex® conference systems and digital audio products in its all conference rooms.

It includes the exhibition hall reception conference hall and the large customer conference hall, which adopt iweex® "XDC236 series wired and wireless integrated digital conference system" and "DWM223 digital wireless microphone". In addition, three academic exchange conference rooms adopt iweex® "WDC210 fully digital wireless conference system".



# SUCCESSFUL CASES

May 2020 | Wenshan City, China

Wenshan City Political Consultative Congress

Jul 2021 | Wenshan City, China

Wenshan City Political Consultative Congress

Jul 2023 | Wenshan City, China

Wenshan City Political People's Congress

Jul 2023 | Zunyi City, China

Zunyi City Political Consultative Congress

Using AT190-R ~ AT210-R series digital audio wireless products & M200-CQ Desktop Speech Mic.  
Realize audio forwarding + digital encryption requirements for major meetings.





# SUCCESSFUL CASES

Ang 2019 | Yiwu City, China

LangLang Piano Concert Tour (Yiwu Station)

Nov 2019 | Changsha City, China

LangLang Piano Concert Tour (Changsha Station)

May 2020 | Changsha City, China

LangLang Piano Concert Tour (Changsha Station)

Use AT190-R, AT200-R digital audio UHF wireless products to achieve audio forwarding on the rotating stage.





# SUCCESSFUL CASES

May 2021 | Yichuan City, China

Northern University for Nationalities Concert

May 2021 | Wenzhou City, China

Centenary Party Celebration Singing Gala  
(Live Broadcast)

From rehearsals to formal performances, 16 to 20 channels of AT210-R digital wireless system products (grenade) are used to realize multi-channel audio forwarding to the stage, including symphonies and solos.



# SUCCESSFUL CASES

May 2019 | Sanya City, China

Boao Forum

Nov 2021 | Beijing City, China

9th BRICS Science, Technology & Innovation Ministerial Conference

Apr 2022 | Guangzhou City, China

National Symposium on Rural Toilet Improvement Scheduling

Dec 2022 | Beijing City, China

Meilin Mountain-Yinhu Mountain Design International Competition



Use DC190, WDC190, WDC210 and other series of digital UHF wireless conference systems to lay out the venue.



# SUCCESSFUL CASES

2017 ~2019 | Shanghai City, China

## ISU Shanghai Super Cup

Adopted AI150-D audio isolator product for three consecutive years. Meet audio transmission noise reduction and circuit protection requirements.





## MORE FOR SUCCESSFUL CASES







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# About Us

# About Us



深圳市睿臻信息技术服务有限公司  
infoSVC Information Technical Service Ltd. Co.



Shenzhen infoSVC Ruizhen Information Technology Service Co., Ltd. (infoSVC Ruizhen) was established in 2015. Shenzhen is a high-tech company whose main business is local IT technology. infoSVC Ruizhen has a high level of R&D strength. The core personnel are all senior R&D or technical personnel from first-tier manufacturers such as HUAWEI, ZTE, MTK, and CEC, and have rich product and R&D experience.



- 2015 - First Prize of Technology Project of China Southern Power Grid Group
- 2016 - Third Prize of Guangdong Provincial Science and Technology Project (Provincial and Ministerial Level)
- 2019 - First Prize of China Southern Power Grid Group Technology Project  
Shortlisted for Guangdong Provincial Science and Technology Award
- 2020 - Shenzhen Mass Entrepreneurship and Entrepreneurship Competition  
Final Promotion Award (Urban Level)
- 2021 - Shenzhen Science and Technology Innovation Subsidy



# THANKS!

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iweex®  
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2024 GAODIMIC® & iweex® Technologies & Products.  
Facebook @GAODIMIC; Sales@infosvc.biz  
www.gaodimic.com / www.iweex.cn  
infoSVC Company, Feb, 2024



聆听世间美妙声音

*Listen to the Beautiful Sounds from the World*