DT220 TECH GEN 4TH | GAODIMIC®

DWM245

DIGITAL UHF WIRELESS MCROPHONE

NEW

4th Gen Tech



DIGITAL UHF WIRELESS TECHNOLOGY IS POPULAR NOW

SHURE



SLX-D SERIES

QLX-D SERIES

ULX-D SERIES

AXIENT DIGITAL SERIES

SENNHEISER



EW-D SERIES

EW-DX SERIES

DIGITAL 6000 SERIES

DIGITAL 9000 SERIES

DPA MICROPHONES



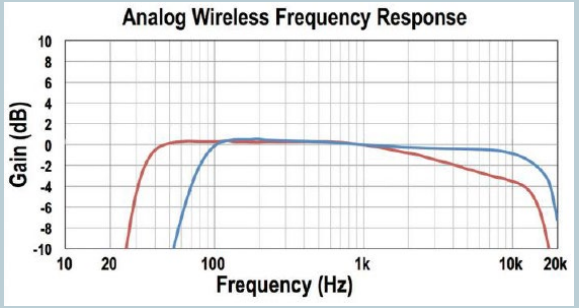
N-Series Series

DIGITAL COMMUNICATIONS - THE FUTURE OF WIRELESS AUDIO



TRADITIONAL UHF WIRELESS MICROPHONE

FM radio technology have remained unchanged for 100 years.



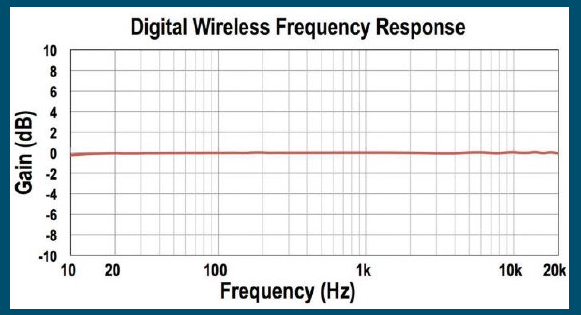
The frequency response is only 50Hz~14kHz;
high and low frequencies are almost completely lost.





DIGITAL UHF WIRELESS MICROPHONE

FSK & PSK wireless technology, mobile communication technology



20Hz~20kHz with virtually no attenuation; high-fidelity wireless transmission for high, mid, and low frequencies.

DIGITAL COMMUNICATIONS - THE FUTURE OF WIRELESS AUDIO



TRADITIONAL UHF WIRELESS MICROPHONE





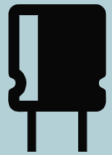
DIGITAL UHF WIRELESS MICROPHONE



High Background Noise



Overtone Delay Basic Muddiness Artifacts



Capacitor Aging; Frequency Drift



Low Background Noise



Crisp & Clear.



Stable Performance & Long Life

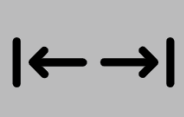
UHF - BEST CHOICE FOR LONG-DISTANCE AUDIO TRANSMISSION



TRADITIONAL UHF WIRELESS MICROPHONE

2.4GHz

Short-range communication bands for wearable products.



<20M



>15ms



Multiple Users, Vying For



Poor Diffraction; Easily Blocked

VS



DIGITAL UHF WIRELESS MICROPHONE

470~690MHz

Long-distance communication, "golden frequency bands" for audio



>100M



<4.3mS



Pmse Band



Good Diffraction; Through Walls; Crowd Crossing

DWM245

DIGITAL UHF WIRELESS MICROPHONE

Base on GAODIMIC®

DT220 TECH GEN 4TH | Generation 4th Tech Platform



- 2024.5 Madrid MAD COOL Music Festival (Europe's largest music festival) / Acoustic monitoring
- 2024.7 Las Vegas F1 Racing, USA / Acoustic monitoring equipment
- 2024-2025 Liu Ruoying, Li Zongsheng, Chen Chusheng, TNT...national tours / Acoustic monitoring
- 2024-2025 David Bisbal (Spain), Robert Carlos (Brazil), and so on, singers tours / Acoustic monitoring
- 2025.7 Montreal World Music Festival, Canada (a world-class music festival) / Wireless transmission for piano performances
- 2025.8 Stephanie Boulay (Quebec City, Canada) performance (French platinum record artist) / Wireless microphone

PROFESSIONAL PERFORMANCE,

REAL PARAMETERS

GAODIMIC®

DT220 TECH GEN 4TH



DWM245

DIGITAL UHF WIRELESS MCROPHONE

"DT220 TECH" 4th Gen Digital UHF Wireless TECH / DQPSK / 510–698MHz (Difference for countries) / 48KHz Sampling Rate / 24 Bit / RF Power <18dBm / SN >112dB / Latency<4.37ms / Distortion <0.03% (@1KHz) / Attenuation <3dB (20Hz~20KHz) / TFT LED 160x80 dpi / Background Noise < 12uV / Transmission Distance > 60~100 m (Base on Rx) / AA Battery or 14500 Li-Battery (hybrid Power Supply TECH) / Battery Life > 7h (@14500 Li-Battery) / Region Secheme: CHN, Europe, USA, CAN, etc

GAODIMIC®



FREQ. RESPONSE

20~20K Hz

PHASE SHIFT

30°~60°

ATTENUATION

-3 dB

(20Hz ~ 20Khz)

LATENCY

4.3 ms

DT220 TECH GEN 4TH

Generation 4th Tech Platform

Globally Advanced Performance Indicators

PROFESSIONAL-GRADE PERFORMANCE, HIGH-FIDELITY SOUND

GAODIMIC® | DT220 TECH GEN 4TH

DWM245

DIGITAL UHF WIRELESS MICROPHONE

SAMPLING RATE **48K** Hz	BIT DEPTH **24** Bit
DISTORTION **<0.03** % (@1K Hz)	SN **>112** dB



GAODIMIC® | DT220 TECH GEN 4TH

PROFESSIONAL-GRADE PERFORMANCE, HIGH-FIDELITY SOUND

DWM245

DIGITAL UHF WIRELESS MICROPHONE



BACKGROUND NOISE
<12 uV

CARRIER BANDWIDTH
510~690 MHz

BATTERY LIFE
> 7 h
(@锂电池)

TRANSMISSION DISTANCE
50~100 m

GAODIMIC® | DT220 TECH

SINGLE-CH KIT, DEPLOY ANYTIME, ANYWHERE.



DWM245

DIGITAL UHF WIRELESS MICROPHONE

DTR228-1R

DIGITAL UHF WIRELESS SINGLE CH RECEIVER

Flagship

Built-in battery for easy deployment.

External antenna power supply and features ultra-low noise.

Suitable for outdoor live streaming, performances, conference.

TWO STAGE-GRADE CAPSULE MIC.
REPRODUCING AUTHENTIC SOUND.

GAODIMIC®

m47

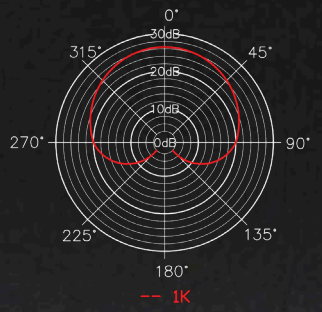
Refer to SM58， Rich Bass

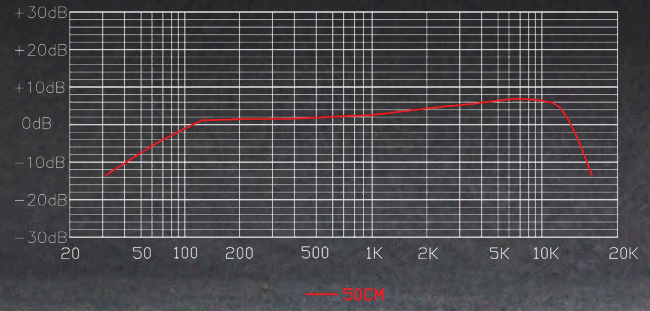
Cardioid Polar Direction / Impedance : 300Ω

Sensitivity : -56db±3db /

Frequency Response : 50hz-15khz

Maximum SPL : 138db / THD <3%





m48

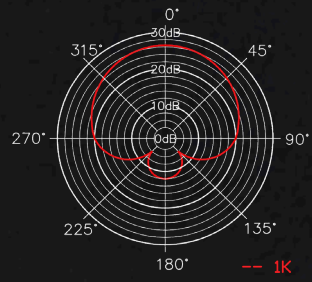
Refer to BETA58, High Voice Crisp

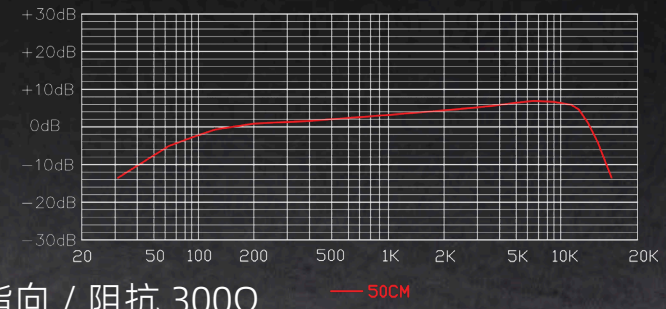
Supercardioid Direction / Impedance : 300Ω

Sensitivity : -56db±3db /

Frequency Response : 50hz-15khz

Maximum SPL : 138db / THD <3%







超心型指向 / 阻抗 300Ω

灵敏度 -56DB±3DB / 频响 50HZ-15KHZ

最大声压138DB THD<3%

DWM245

DIGITAL UHF WIRELESS
MICROPHONE

GAODIMIC®

EXCELLENT SOUND QUALITY

* Random test in a typical location, photos taken on-site. (For reference only)



OPPO Find X7

HASSELBLAD

23mm f/1.6 1/100s ISO1000

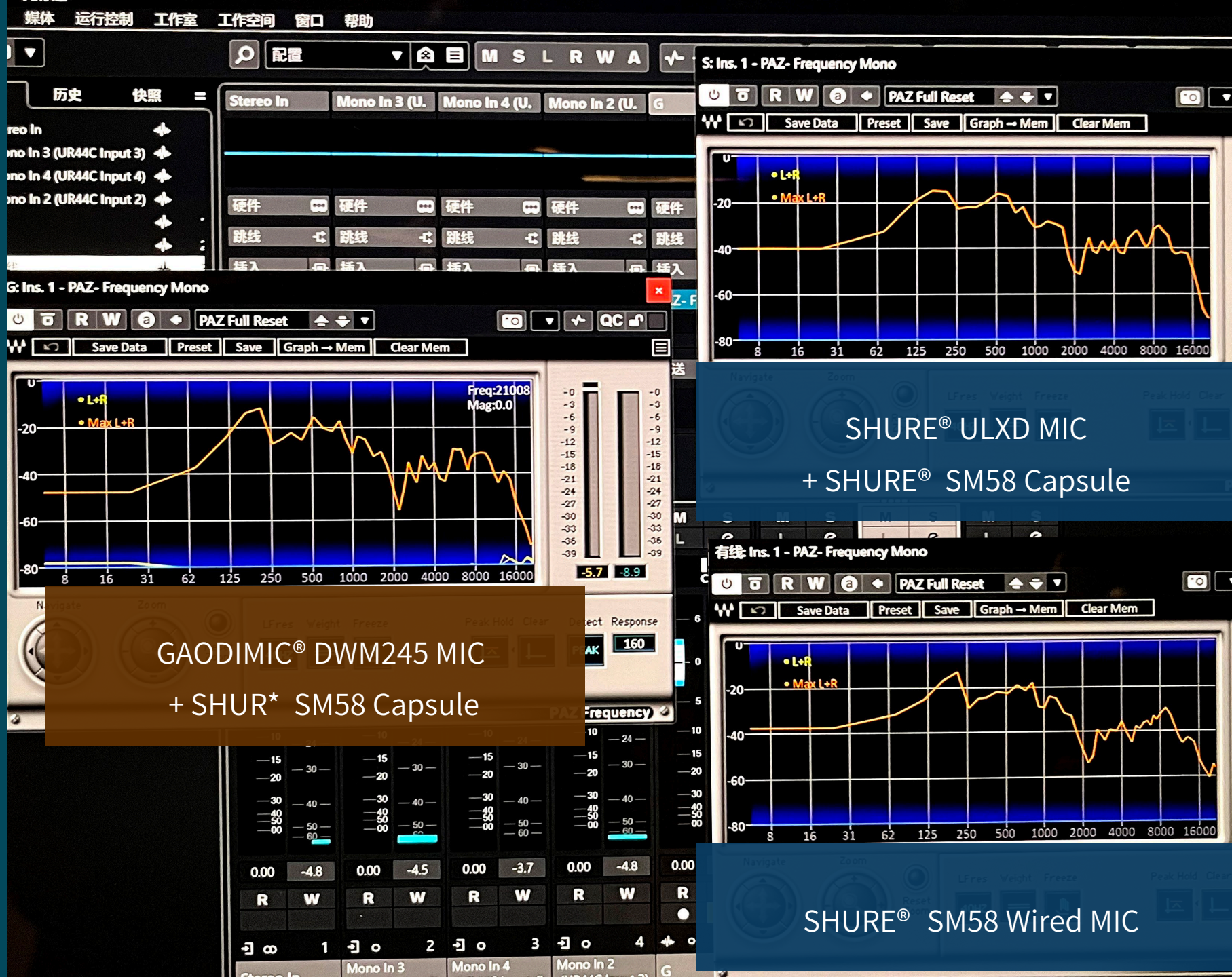
DWM245

DIGITAL UHF WIRELESS
MICROPHONE

EXCELLENT SOUND QUALITY

Random test in a typical location, photos taken on-site.
(For reference only)

GAODIMIC®



GAODIMIC®

DWM245

DIGITAL UHF WIRELESS MICROPHONE

MORE FEATURES



GAODIMIC® | DT220™ TECH GEN 4TH

DWM245

DIGITAL UHF WIRELESS MICROPHONE

HYBRID BATTERY POWER SUPPLY

14500 Li-Battery / AA Battery / Rechargeable Ni-Batteries

Invention PatentV2.0



Based on self-developed circuit technology and structural patents

Freely switch between multiple power sources without manual settings



GAODIMIC®

DT220 TECH GEN 4TH

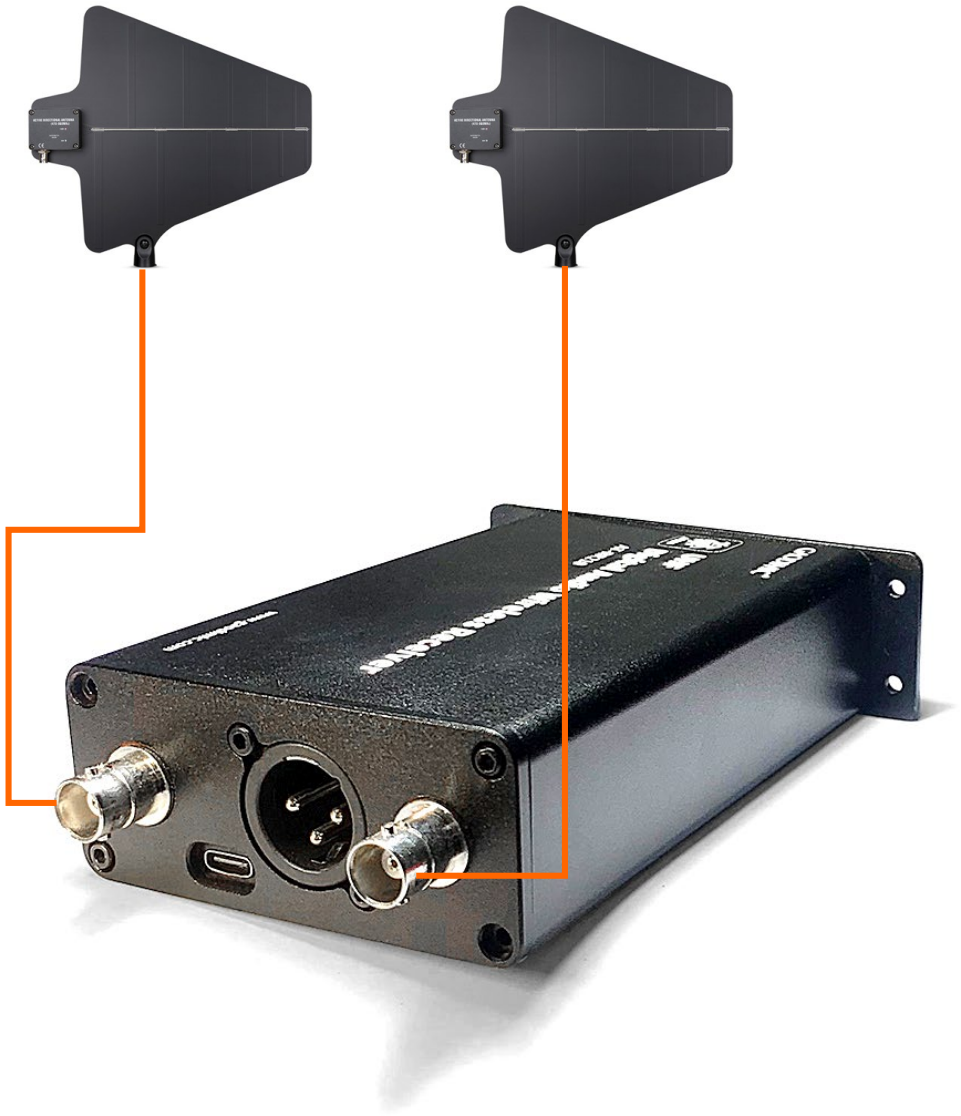
Excellent Transmission Distance

>50m / >100m

(Portable Kit) (Rack Mounted Kit)

With 10+ years of experience in mobile communications, we continuously fine-tune and optimize our systems to achieve excellent wireless performance.

GAODIMIC® | DT220 TECH GEN 4TH



Flagship

DTR228-1R

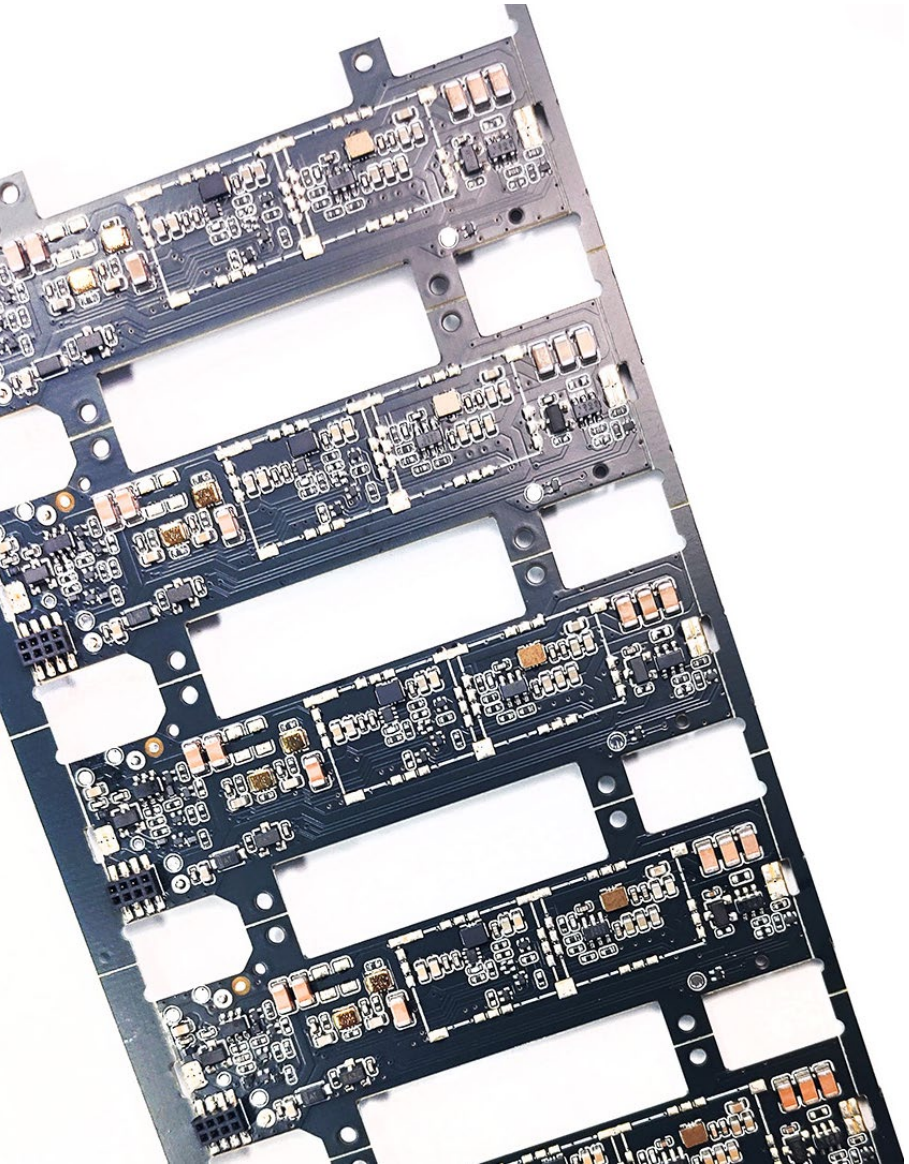
DIGITAL UHF WIRELESS
SINGLE CH RECEIVER

Power Supply for External Antenna



GAODIMIC®

DT220 TECH GEN 4TH™



Flagship

DTR228-1P/R

DIGITAL UHF WIRELESS
SINGLE CH RECEIVER

Overvoltage Protection

Overvoltage protection on RX to prevent equipment burnout caused by forgetting to turn off the 48V phantom power supply on the mixing console

GAODIMIC®
高 德 麦



GAODIMIC® DWM245 Digital UHF Wireless Handheld MIC
@Quebec, CAN, Stéphanie Boulay Performance， 11,9,2025

DWM245

DIGITAL UHF WIRELESS MICROPHONE

COMBINATION SOLUTION

DWM245G-1P
Single CH KIT



Optional Capsule
M47 / m48



DWM245 Handheld MIC

DTR228-1P Portable Single CH Rx

Outdoor concerts and live streams are recommended.

Communication Mode	UHF Wireless Digital Communication
Modulation Method	PSK
Transmission Freq. Band	510~698mhz (Varies Depending On The Country Or Region)
RF Output	<18dbm
Transmission Distance	>50m (related To Signal Absorption, Reflection, Interference.)
Sampling Rate	48khz
Digital Bit Depth	24bit
Freq. Response Attenuation	<3db(20hz~20khz)
Signal-to-noise Ratio (S/N)	>112db
Distortion T.H.D	<0.03%(@1khz)
Latency	4.3ms
Backgroup Noise Voltage	12uV
Battery Life	Tx：8h(14500 Li-battery) / >5h(aa Li-battery) Rx：12h(18650 Li-battery)/>8h(14500 Li-battery)/>6h(aa Battery)
Power Supply	TX：AA Battery / 14500 Li-battery RX：AA Battery / 14500 Li-battery / 18650 Li-battery

DWM245G-1P
Single CH KIT

RECOMMANDED HOT



Optional Capsule
M47 / m48



DWM245 Handheld MIC

DTR228-1P Rcak Mounted Single CH Rx

Outdoor concerts and live streams are recommended.

Communication Mode	UHF Wireless Digital Communication
Modulation Method	PSK
Transmission Freq. Band	510~698mhz (Varies Depending On The Country Or Region)
RF Output	<18dbm
Transmission Distance	>100m (related To Signal Absorption, Reflection, Interference.)
Sampling Rate	48khz
Digital Bit Depth	24bit
Freq. Response Attenuation	<3db(20hz~20khz)
Signal-to-noise Ratio (S/N)	>112db
Distortion T.H.D	<0.03%(@1khz)
Latency	4.3ms
Backgroup Noise Voltage	12uV
Battery Life	Tx：8h(14500 Li-battery) / >5h(aa Li-battery) Rx：96h
Power Supply	TX：AA Battery / 14500 Li-battery RX：18650 Li-battery

DWM245G-2ST

2CH True Diversity KIT





可选咪头

M47 / m48



DWM245 Handheld MIC

DTR228-2ST 2 CH True Diversity Rx

Small performances, concerts & Conference are recommended.

Communication Mode	UHF Wireless Digital Communication
Modulation Method	PSK
Transmission Freq. Band	510~698mhz (Varies Depending On The Country Or Region)
RF Output	<18dbm
Transmission Distance	>100m (related To Signal Absorption, Reflection, Interference.)
Sampling Rate	48khz
Digital Bit Depth	24bit
Freq. Response Attenuation	<3db(20hz~20khz)
Signal-to-noise Ratio (S/N)	>110db
Distortion T.H.D	<0.03%(@1khz)
Latency	4.3ms
Backgroup Noise Voltage	18uV
Battery Life	Tx: 8h(14500 Li-battery) / >5h(aa Li-battery)
Power Supply	TX: AA Battery / 14500 Li-battery RX: 12V1A

DWM245G-2/4
2/4CH KIT





DWM245 Handheld MIC

DTR228-2/4 2/4 CH Rx

Conference are recommended.

Communication Mode	UHF Wireless Digital Communication
Modulation Method	PSK
Transmission Freq. Band	510~698mhz (Varies Depending On The Country Or Region)
RF Output	<18dbm
Transmission Distance	>70m (related To Signal Absorption, Reflection, Interference.)
Sampling Rate	48khz
Digital Bit Depth	24bit
Freq. Response Attenuation	<3db(20hz~20khz)
Signal-to-noise Ratio (S/N)	>96db
Distortion T.H.D	<0.03%(@1khz)
Latency	4.3ms
Backgroup Noise Voltage	18uV
Battery Life	Tx: 8h(14500 Li-battery) / >5h(aa Li-battery)
Power Supply	TX: AA Battery / 14500 Li-battery RX: 12V1A

GAODIMIC®

Your choice is consistent with many audio experts around the world



THANKS!

GAODIMIC® 高 德 麦 | iweex® 未 可 思

聆听世间美妙声音

Listen to the Beautiful Sounds from the World

2026 GAODIMIC® & iweex ® Technologies & Products.

Facebook @GAODIMIC ; Sales@infosvc.biz
www.gaodimic.com / www.iweex.cn
infoSVC Company, May,2024