



Korean Government
Product Procurement

2.4GHz Digital Wireless System
900MHz Digital Wireless System

DISSTECH

DIGITAL INTELLIGENT
SOUND SYSTEM



Fully compatible with electronic whiteboards
Simple IR remote pairing for effortless control
Integrated support for public address (PA) broadcasting

2.4GHz Digital 72CH Wireless Microphone for Lectures
900MHz Digital 72CH Wireless Microphone for Lectures

DISS
TECH

Overview

VISION / MISSION / SERVICE

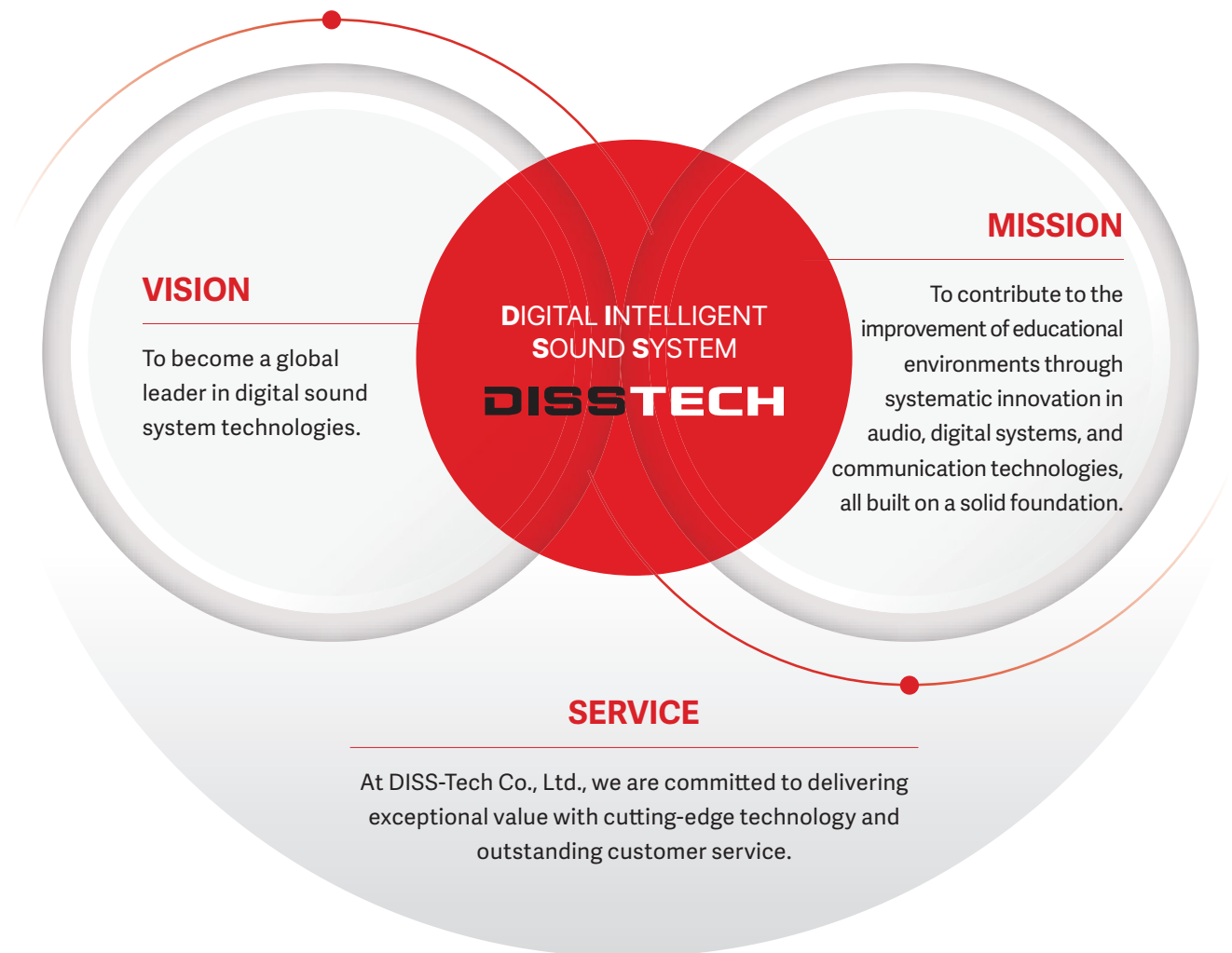
We earned a 2.4GHz Digital Wireless Certification in 2001.

We specialize in wireless communication solutions across the 900 MHz, 2.4 GHz, and 5.8 GHz frequency bands.

For the past 18 years, we have been a registered government supplier, dedicated to the research, development, and in-house manufacturing of classroom lecture equipment.

We are committed to continuous R&D for the purpose of improving educational environments. With unwavering conviction and passion, we take full responsibility for every product we create.

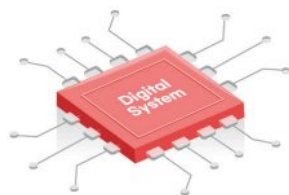
We are devoted to enhancing wireless microphone systems and contributing to the advancement of educational environments worldwide.



2.4GHz Digital Wireless System | 900MHz Digital Wireless System



Premium audio quality



Competitive digital system solutions



Wireless Communications



Improved speaker systems for educational environments

Product Features Description

We sincerely thank all our customers for your continued interest and unwavering support for DISS-Tech.

At DISS-Tech, we always value our customers and strive to deliver complete satisfaction in every product and service we offer.



Optimized wireless classroom environment

- ▷ 2.4GHz digital bidirectional communication free from interference with 72 independent channels optimized for classroom use
- ▷ Optimized and interference-free 900MHz digital bidirectional communication with 72 independent channels



Integrated PA system speaker

- ▷ An all-in-one system: speaker for wireless classroom lectures + electronic whiteboard + computer + public address broadcasting



DISS-Tech's system offers ease of use in the classroom and helps provide the best possible classroom environment.

- ▷ It features a simple IR pairing method with an easy-to-wear hands-free necklace-type microphone.
- ▷ Incorporates a ceiling speaker system that does not interfere with neighboring classes, along with an optimal 30W digital amplifier



The speaker system is optimized for classroom interior design.

- ▷ Available options include traditional speakers, soundbar-style speakers, clock-style speakers, and ceiling-mounted speakers.



Premium color silicone microphone cases are provided free of charge.

- ▷ The silicone cases offer excellent comfort, and the three types of necklace microphones are available in five colors, allowing teachers to choose their preferred case color.



The replaceable microphone provides hygiene safety.

- ▷ When schools go through regular personnel changes, hygiene issues can be resolved by simply replacing the disposable microphone case.



Perfect customer service system

- ▷ Products are manufactured under strict quality control standards.
We provide fast and reliable customer service.



Top-tier sound quality

- ▷ Enjoy digital 16-bit sound at 48kHz CD quality and 30kHz sampling rates.
Hear your own voice with exceptional clarity and precision.

DS-900DA, DS-910DA

Supports public address broadcasting
for announcements and alerts.

For general lecture use



Product video
QR code



Classroom
demonstration
video QR code



- 🔊 2.4GHz Digital 72CH Wireless Microphone for Lectures
- 🔊 900MHz Digital 72CH Wireless Microphone for Lectures

A must-have product for building smart classrooms!

- 1 A next-generation 900MHz and 2.4GHz digital system with 72 channels, fully optimized for classroom wireless environments and guaranteed to be 100% interference-free.
- 2 All-in-one professional lecture unit (public address broadcasting + receiver + amplifier + speaker)
- 3 Your voice remains clear and crisp with no distortion (superior clarity).
- 4 Comfortable to wear, three types of simple hands-free necklace-style handy mics
- 5 Includes V.O.X. function (Voice Operated Transmitting)—essential for teaching
- 6 Expandable speaker installation available in classrooms (PA speakers, general speakers)



DS-200E
Expansion Unit



Rear panel for public
address broadcasting use



Rear panel for
general lecture use

Product Features



Compatible with public address systems



Superior sound quality



Compatible with electronic whiteboards



IR remote control pairing method



Expandable speaker installation available (optional purchase)

Compatible microphones (Select One)

► Supports simultaneous use of 2 microphones / 2-channel microphone



Round-type hand-held microphone
(DS-200HTX)



Square-type hand-held microphone
(DS-400HTX)



Stick-type hand-held microphone
(DS-900HTX)



Neck microphone
(DS-900NTX)

2.4GHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency range	2.402 ~ 2.478 GHz	2.402 ~ 2.478 GHz
Transmission power (RF output)	10dBm	Not applicable
Operating range (in an unobstructed environment)	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Audio transmission latency	8msec	8msec
Rechargeable battery (lithium polymer)	850 mA	DC12V 5A
Continuous operation time	10 hours	-
Size/Weight (Neck microphone)	143×185×22mm / 55g	340×220×150mm
Size/Weight (Hand-held microphone)	31×124×15mm / 52.1g	
External input terminal	-	3.5Ø
External output terminal	-	3.5Ø

900MHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency	925.5 ~ 937.05 MHz	925.5 ~ 937.05 MHz
Transmission power	10dBm	Not applicable
Transmission range	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Rechargeable battery	850mA	DC12V 2A
Continuous operation time	8 hours	-
Receiver specifications	-	340×220×150mm
External input terminal	-	Ø3.5mm jack

DS-900SDA, DS-910SDA

Supports public address broadcasting
for announcements and alerts.

For general lecture use



Product video
QR code



Classroom
demonstration
video QR code



2.4GHz Digital 72CH Wireless Microphone for Lectures
900MHz Digital 72CH Wireless Microphone for Lectures

A must-have product for building smart classrooms!

- 1 A next-generation 900MHz and 2.4GHz digital system with 72 channels, fully optimized for classroom wireless environments and guaranteed to be 100% interference-free.
- 2 Distinctive design – all-in-one system for improving classroom environments (public address broadcasting + receiver + amplifier + speaker)
- 3 Optimized for space efficiency in setups with electronic whiteboards.
- 4 Transmitter charging is easy with the new USB-C type charger (3-hour charge provides 8 hours of continuous use)
- 5 Transmitter battery is a 3.7V 850mAh lithium polymer battery (No risk of fire or explosion)
- 6 All three types of hand-held microphones feature an LCD screen for excellent microphone visibility
- 7 Expandable speaker installation available for classrooms



DS-200E Expansion Unit



Rear panel for public address broadcasting use



Rear panel for general lecture use

Product Features



Compatible with public address systems



Superior sound quality



Compatible with electronic whiteboards



IR remote control pairing method



Expandable speaker installation available (optional purchase)

Compatible microphones (Select One)

► Supports simultaneous use of 2 microphones / 2-channel microphone



Round-type hand-held microphone
(DS-200HTX)



Square-type hand-held microphone
(DS-400HTX)



Stick-type hand-held microphone
(DS-900HTX)



Neck microphone
(DS-900NTX)

2.4GHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency range	2.402 ~ 2.478 GHz	2.402 ~ 2.478 GHz
Transmission power (RF output)	10dBm	Not applicable
Operating range (in an unobstructed environment)	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Audio transmission latency	8msec	8msec
Rechargeable battery (lithium polymer)	850 mA	DC15V 2A
Continuous operation time	10 hours	-
Size/Weight (Neck microphone)	143×185×22mm / 55g	920×190×140mm
Size/Weight (Hand-held microphone)	31×124×15mm / 52.1g	
External input terminal	-	3.5Ø
External output terminal	-	3.5Ø

900MHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency	925.5 ~ 937.05 MHz	925.5 ~ 937.05 MHz
Transmission power	10dBm	Not applicable
Transmission range	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Rechargeable battery	850mA	DC15V 2A
Continuous operation time	8 hours	-
Receiver specifications	-	920×190×140mm
External input terminal	-	Ø3.5mm jack

DS-500TDA, DS-510TDA

Supports public address broadcasting
for announcements and alerts.

For general lecture use



Product video
QR code



Classroom
demonstration
video QR code



- 🔊 2.4GHz Digital 72CH Wireless Microphone for Lectures
- 900MHz Digital 72CH Wireless Microphone for Lectures

A must-have product for building smart classrooms!

- 1 A next-generation 900MHz and 2.4GHz digital system with 72 channels, fully optimized for classroom wireless environments and guaranteed to be 100% interference-free.
- 2 Wall-mounted clock-type wireless microphone (all-in-one) optimized for classroom speaker environment improvement
- 3 Supports public address broadcasting, compatible with electronic whiteboards, works with computers, and includes built-in Bluetooth
- 4 Vibration-free clock, front acrylic panel for accident prevention, rich sound with two speakers
- 5 Includes V.O.X. function (Voice Operated Transmitting) essential for classroom use All three types of hand-held microphones feature an LCD screen for excellent microphone visibility
- 6 Expandable speaker installation available for classrooms (PA speakers and general speakers)



DS-200E
Expansion Unit



Rear panel for public
address broadcasting use



Rear panel for
general lecture use

Product Features



Compatible with public address systems



Superior sound quality



Compatible with electronic whiteboards



IR remote control pairing method



Expandable ceiling speaker (optional purchase)

Compatible microphones (Select One)

► Supports simultaneous use of 2 microphones / 2-channel microphone



Round-type hand-held microphone
(DS-200HTX)



Square-type hand-held microphone
(DS-400HTX)



Stick-type hand-held microphone
(DS-900HTX)



Neck microphone
(DS-900NTX)

2.4GHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency range	2.402 ~ 2.478 GHz	2.402 ~ 2.478 GHz
Transmission power (RF output)	10dBm	Not applicable
Operating range (in an unobstructed environment)	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Audio transmission latency	8msec	8msec
Rechargeable battery (lithium polymer)	850 mA	DC15V 2A
Continuous operation time	10 hours	-
Size/Weight (Neck microphone)	143×185×22mm / 55g	360×343×67mm
Size/Weight (Hand-held microphone)	31×124×15mm / 52.1g	
External input terminal	-	3.5Ø
External output terminal	-	3.5Ø

900MHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency	925.5 ~ 937.05 MHz	925.5 ~ 937.05 MHz
Transmission power	10dBm	Not applicable
Transmission range	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Rechargeable battery	850mA	DC15V 2A
Continuous operation time	8 hours	-
Receiver specifications	-	360×343×67mm
External input terminal	-	Ø3.5mm jack

DS-900CDA, DS-910CDA

Supports public address broadcasting
for announcements and alerts.

For general lecture use



Product video
QR code



Classroom
demonstration
video QR code



- 🔊 2.4GHz Digital 72CH Wireless Microphone for Lectures
- 🔊 900MHz Digital 72CH Wireless Microphone for Lectures

A must-have product for building smart classrooms!

- 1 A next-generation 900MHz and 2.4GHz digital system with 72 channels, fully optimized for classroom wireless environments and guaranteed to be 100% interference-free.
- 2 Ceiling-type "sound shower" system provides excellent improvement to the classroom speaker environment.
- 3 Supports public address broadcasting, compatible with electronic whiteboards, works with computers, and includes built-in Bluetooth
- 4 Ceiling installation prevents interference with neighboring classrooms during lessons and greatly enhances the teaching environment.
- 5 Includes V.O.X. function (Voice Operated Transmitting)—essential for teaching



DS-200E
Expansion Unit



IR Sensor



Rear panel for public
address broadcasting use



Rear panel for
general lecture use

Product Features



Compatible with public address systems



Superior sound quality



Compatible with electronic whiteboards



IR remote control pairing method



Expandable ceiling speaker (optional purchase)

Compatible microphones (Select One)

► Supports simultaneous use of 2 microphones / 2-channel microphone



Round-type hand-held microphone
(DS-200HTX)



Square-type hand-held microphone
(DS-400HTX)



Stick-type hand-held microphone
(DS-900HTX)



Neck microphone
(DS-900NTX)

2.4GHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency range	2.402 ~ 2.478 GHz	2.402 ~ 2.478 GHz
Transmission power (RF output)	10dBm	Not applicable
Operating range (in an unobstructed environment)	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Audio transmission latency	8msec	8msec
Rechargeable battery (lithium polymer)	850 mA	DC12V 5A
Continuous operation time	10 hours	-
Size/Weight (Neck microphone)	143×185×22mm / 55g	355×230×180mm
Size/Weight (Hand-held microphone)	31×124×15mm / 52.1g	
External input terminal	-	3.5Ø
External output terminal	-	3.5Ø

900MHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency	925.5 ~ 937.05 MHz	925.5 ~ 937.05 MHz
Transmission power	10dBm	Not applicable
Transmission range	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Rechargeable battery	850mA	DC12V 2A
Continuous operation time	8 hours	-
Receiver specifications	-	355×230×180mm
External input terminal	-	Ø3.5mm jack

DS-900

Designed specifically for universities,
electronic podiums, and amplifiers



Product video
QR code



- 🔊 2.4GHz Digital 72CH Wireless Microphone for Lectures
- 900MHz Digital 72CH Wireless Microphone for Lectures

Optimized wireless system for university and podium use

- 1 A bidirectional 900MHz digital and 2.4GHz digital system with 72 channels, completely interference-free
- 2 Personal microphone delivers top-tier sound quality; easy IR pairing in installed lecture rooms
- 3 Ideal wireless environment with 16-bit, 24kHz digital clarity and zero sound distortion
- 4 Comfortable to wear; simple necklace-type microphone for hands-free use



DS-200E
Expansion Unit



DS-900
Rear Panel



DS-900
Installation

Product Features



All-in-one speaker
(amplifier + wireless
receiver + speaker)



Superior sound
quality



Compatible
with electronic
whiteboards



IR remote control
pairing method



Expandable ceiling
speaker
(optional purchase)

Compatible microphones (Select One)

► Supports simultaneous use of 2 microphones / 2-channel microphone



Round-type hand-held
microphone
(DS-200HTX)



Square-type hand-held
microphone
(DS-400HTX)



Stick-type hand-held
microphone
(DS-900HTX)



Neck
microphone
(DS-900NTX)

2.4GHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency range	2.402 ~ 2.478 GHz	2.402 ~ 2.478 GHz
Transmission power (RF output)	10dBm	Not applicable
Operating range (in an unobstructed environment)	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Audio transmission latency	8msec	8msec
Rechargeable battery (lithium polymer)	850 mA	DC5V 2A
Continuous operation time	10 hours	-
Size/Weight (Neck microphone)	143×185×22mm / 55g	170×143×47mm
Size/Weight (Hand-held microphone)	31×124×15mm / 52.1g	
External input terminal	-	3.5Ø
External output terminal	-	3.5Ø

900MHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency	925.5 ~ 937.05 MHz	925.5 ~ 937.05 MHz
Transmission power	10dBm	Not applicable
Transmission range	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Rechargeable battery	850mA	DC5V 2A
Continuous operation time	8 hours	-
Receiver specifications	-	170×143×47mm
External input terminal	-	Ø3.5mm jack

DS-240DA

Two-way, non-face-to-face communication
For elementary, middle, high school, and university lectures



Classroom
demonstration
video QR code



- 🔊 2.4GHz Digital 72CH Wireless Microphone for Lectures
- 900MHz Digital 72CH Wireless Microphone for Lectures

A must-have product for building smart classrooms!

- 1 New-concept 2.4GHz digital with 79 channels, optimized for classroom wireless environments (100% interference-free)
- 2 Professional all-in-one lecture system (2-way speaker + receiver + amplifier + speaker)
- 3 Provides CD-quality 2.4GHz Digital 16-bit 48kHz sound
- 4 Your voice remains clear and crisp with no distortion (superior clarity)
- 5 Comfortable to wear, three types of simple hands-free necklace-style handy mics
- 6 Auto pairing system across all classrooms for easy use



DS-200E
Expansion Unit



Rear panel for public
address broadcasting use



Rear panel for
general lecture use

Product Features



All-in-one speaker
(amplifier + wireless
receiver + speaker)



Superior sound
quality



Compatible
with electronic
whiteboards



IR remote control
pairing method



Expandable ceiling
speaker
(optional purchase)

Compatible microphones (Select One)

► Supports simultaneous use of 2 microphones / 2-channel microphone



Round-type hand-held
microphone
(DS-200HTX)



Square-type hand-held
microphone
(DS-400HTX)



Stick-type hand-held
microphone
(DS-900HTX)



Neck
microphone
(DS-900NTX)

2.4GHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency range	2.402 ~ 2.478 GHz	2.402 ~ 2.478 GHz
Transmission power (RF output)	10dBm	Not applicable
Operating range (in an unobstructed environment)	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Audio transmission latency	8msec	8msec
Rechargeable battery (lithium polymer)	850 mA	DC12V 5A
Continuous operation time	10 hours	-
Size/Weight (Neck microphone)	143×185×22mm / 55g	320×140×190mm
Size/Weight (Hand-held microphone)	31×124×15mm / 52.1g	
External input terminal	-	3.5Ø
External output terminal	-	3.5Ø

900MHz product specifications

Item	Transmitter specifications	Receiver specifications
Wireless frequency	925.5 ~ 937.05 MHz	925.5 ~ 937.05 MHz
Transmission power	10dBm	Not applicable
Transmission range	30m	30m
Frequency method	TDMA	TDMA
Modulation method	GFSK	GFSK
Bandwidth	< 1 MHz	< 1 MHz
Audio frequency range	< 16 MHz	< 16 MHz
Rechargeable battery	850mA	DC12V 2A
Continuous operation time	8 hours	-
Receiver specifications	-	320×140×190mm
External input terminal	-	Ø3.5mm jack



Search for "DISS-Tech" on YouTube
to watch the product videos.

2.4GHz Digital Wireless System
900MHz Digital Wireless System

DISS**TECH**

DISS-Tech Co., Ltd.

3F, Building C, 53, Pyeongcheon-ro 199beon-gil,
Bupyeong-gu, Incheon, Republic of Korea

Tel +82-1577-8798 Fax +82-32-501-2714

www.diss-tech.com