ERTHPOT®

CRAFTING SUSTAINABLE INNVOTIONS

About Erthpot

In 2018, the founders of Erthpot, Heena Golani, Vikram Yadav, Vijay Sinha, and Shailesh Awasthi, set out to revolutionize the AV industry in India. They noticed that Indian customers often trusted foreign brands over local alternatives, despite the availability of high-quality Indian products. This led them to establish Erthpot, an indigenous brand committed to sustainability and rooted in Indian traditions. The founders, with years of experience in the AV distribution market as "Pink Noise Professionals," understood the industry's intricacies. They aimed to create a brand that went beyond profit and reflected their commitment to innovation and continuous improvement. The name "Erthpot," a combination of 'earth' and 'pot', embodies the Indian ethos of valuing traditions and the environment. It represents sustainability and the ongoing connection with the nation's rich heritage. Erthpot's mission is to provide customers with innovative, sustainable, an high-quality AV products. It promises to merge the best of tradition and innovation, ultimately becoming a brand deeply connected to the heart of the nation.

ERTHPOT®

Welcome to Erthpot, where innovation, and excellence converge to redefine the audio technology landscape. We're an indigenous "Make in India "initiative dedicated to providing world class Audio-Visual solutions & quality to customers worldwide. Erthpot brings together the best minds in the industry to craft innovative, responsible products. Our team of experts, engineers, and designers work tirelessly to push the boundaries of audio technology. We stand by our commitment to credibility, ensuring our product design and quality meet the highest standards. With Erthpot, you can trust in excellence Investing in future technology doesn't have to be expensive. We make cutting-edge audio tech affordable for all. Our mission is to democratize innovation, offering outstanding value for your money. Your satisfaction is paramount. Erthpot is customer-centric and committed to providing an exceptional AV experience. Erthpot is dedicated to environmental responsibility by actively reducing e-waste and recycling. Our products are designed fo longevity and recyclability, ensuring a greener tomorrow.

ERTHPOT®

What Makes Us Erthpot

At Erthpot, we are a brand that combines creativity, technology, craftsmanship, and socio-responsibility to create audio products that add value to your life. We take our responsibility towards the environment and ecology seriously, recognizing the significant e-waste generated by the AV industry, which is harmful to both the environment and various life forms. Our focus is on building sustainable products and minimizing the peripheral waste produced during manufacturing, making us more environmentally friendly. We are passionate about manufacturing the best Audio-Visual products under the strict observation of our technical experts, aiming to bring positive change and create a brand that embodies sustainability. The electronics manufacturing ecosystem in India is still developing, with challenges in finding suitable parts suppliers and OEM designers. However, India has a vast pool of talented engineers in software and embedded design, allowing us to continuously improve the quality of our vendors and service providers. This enables us to develop better products that stand out in the global market.

CONTENT

CONTENT

ARCHE WIRELESS MICROPHONE SYSTEM

Arche Wireless Microphones offer stable RF connection with natural sound reproduction for glitch free audio performance. Manufactured with best in class components and intuitive interface to display the critical parameters. Choose from wide variety of combinations or sets to match the exact needs of sound reinforcement

ERTHPOT®

ARCHE System Combinations & Features

AR31
Wireless Handheld System

AR32
Wireless Bodypack System

AR32H
Wireless Headworn System

AR32I
Wireless Guitar System

AR331
Dual Wireless Handheld System

AR332
Dual Wireless Bodypack System

AR33/21
Dual Wireless Combo System

AR332H
Dual Wireless Headworn System

AFS(Automatic Frequency Selection)

Press the " ◀/▶ " button for 3 sec and the receiver will auto-scan and lock on to an open,interference free frequency.

Compatible systems

Maximum 24 set can be used simultaneously by using multiple frequency bands in one venue.

IR Infrared Sync

Press [IR] button to pair automatically the receiver frequency with the transmitter.

Anti-Interference

PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "Noise Lock" squelch effectively blocks stray RF.

Full Band Transmitter

134MHz full band transmitter allows pairing with the receiver irrespective of frequency band.

Energy Conservation

Low RF power mode gives twice the battery life of up to 14 hours*.(On AA Alkaline Batteries)

ARCHE Wireless Microphone Receiver units

AR3
Single channel diversity receiver

The AR3 is a 1/2 EIA standard Rack Unit metal chassis single-channel wireless receiver for AR1 & AR2 transmitters. Its bright and intuitive LCD front panel display provides necessary information such as RF level, audio levels, working channel, and transmitter battery status. With a 32MHz operating bandwidth, each receiver band supports up to 10 compatible systems that are interference-free. With multiple bands, it can support up to 24 compatible systems*. The PLL synthesized circuitry ensures RF transmission reliability, effectively separating it from GSM and other EMI interference. The AFS (Auto Frequency Selection) function scans the environment and locks onto an open, interference-free frequency channel. The diversity antenna circuit selects the better signal from its 1/2 Wave Antennae, ensuring optimum RF stability at all times. The AR3 is supplied with metal accessories that facilitate permanent installation in a 19-inch rack.

TECHNICAL SPECIFICATIONS

Carrier Frequency Range	522MHz~936MHz
Modulation Mode	FM stereo modulation
Oscillation	PLL synthesized
Sensitivity Operating	5dBμV, S/N>60dB at 25 deviation
Bandwidth	32MHz (E,I,J,K)
Max Deviation Range	±45KHz
S/N Ratio	>105dB
T.H.D	<0.7%@1KHz
Frequency Response (audio)	45Hz-18KHz ±3dB
Operating Range	80~100M* typical (in open space)
Power Supply	DC 12V/12W adapter
Dimension (mm)	205(W)x206(D)x43(H)
Weight	Approximately 1.0kg
Output Connector	XLR balanced & 6.3φ phone jack unbalanced
Housing	Pressed steel powder coated enclosure

AR33
Dual channel diversity receiver

The AR33 is a dual channel wireless receiver for AR1 & AR2 transmitters, housed in a 1 EIA standard Rack Unit metal chassis. Its bright and intuitive LCD front panel display provides the necessary information for both transmitters, such as RF level, audio levels, working channel, and transmitter battery status. With a 32MHz operating bandwidth for each receiver, the band supports up to 10 compatible systems that are interference-free. With multiple bands, it can support up to 24 compatible systems*. The PLL synthesized circuitry ensures RF transmission reliability, effectively separating it from GSM and other EMI interference. The AFS (Auto Frequency Selection) function scans the environment and locks onto an open, interference-free frequency channel. The diversity antenna circuit selects the better signal from its 1/2 Wave Antennae, ensuring optimum RF stability at all times. The AR33 is supplied with metal accessories that facilitate permanent installation in a 19-inch rack.

TECHNICAL SPECIFICATIONS

Carrier Frequency Range	522MHz~936MHz
Modulation Mode	FM stereo modulation
Oscillation	PLL synthesized
Sensitivity Operating	5dBμV, S/N>60dB at 25 deviation
Bandwidth	32MHz (E,I,J,K)
Max Deviation Range	±45KHz
S/N Ratio	>105dB
T.H.D	<0.7%@1KHz
Frequency Response (audio)	80Hz-18KHz ±3dB
Operating Range	80~100M* typical (in open space)
Power Supply	DC 12V/12W adapter
Dimension (mm)	410(W) x 206 (D) x 43 (H)
Weight	1.9kg
Output Connector	XLR balanced & 6.3φ phone jack unbalanced
Housing	Pressed steel powder coated enclosure

ARCHE Wireless Microphone System Transmitters

AR1
Handheld Transmitter

AR1 Handheld wireless transmitter is a dynamic vocal microphone housed in a durable metal body with an OLED display. The OLED display provides frequency, channel, lock & battery status. It comes with an audio gain adjustment switch (0,-6,-12dB) and an RF boost (10/40 mW) switch for a higher operating distance. With wide operating bandwidth of 134 MHz, it can be paired/synced with any of the Arche receivers irrespective of the frequency band of the receiver unit. The microphone head is a unidirectional dynamic transducer designed for speech & musical applications.

TECHNICAL SPECIFICATIONS

Carrier Frequency Range	522MHz~936MHZ
Oscillation	PLL Synthesized
Operating Bandwidth	134MHz
Max. Deviation Range	±45KHz
Microphone Element	Dynamic (removable mic head)
Polar Pattern	Cardioid
RF Output Power	10mW/40mW
Battery	AA x 2 (Alkaline)
Current Consumption	110mA (Typical)
Battery Current/ Life	Approximately 14 hours*
Microphone Lengths (mm)	52(Φ)x255(L)
Weight	Approximately 235g (w/o battery)
Housing	Die cast metal body

AR2
Body Pack Transmitter

AR2 is a compact & lightweight body pack style transmitter made for clip-on microphones housed in a durable metal body with a multifunction OLED display. The OLED display provides frequency, channel, lock & battery status. It comes to a mini XLR (TA4M input jack) terminal with an audio gain adjustment switch (0,-6,-12dB) and RF boost (10/40 mW) switch for a higher operating distance. With wide operating bandwidth of 134 MHz, it can be paired/synced with any of the Arche receivers irrespective of the frequency band of the receiver unit. The bodypack transmitter can be used with an AR2L electret condenser lavaliere microphone with a unidirectional capsule designed for speech & musical instruments.

TECHNICAL SPECIFICATIONS

Carrier Frequency Range	522MHz~936MHZ
Oscillation	PLL Synthesized
Harmonic Radiation	<45dBm
Bandwidth	134MHz (It depends on the region)
Max. Deviation Range	±45KHz
Input Connector	TA4M/LEMO connector
RF Output Power	10mW/40mW
Battery	AA x 2
Current Consumption	110mA (Typical)
Battery Current/ Life	Approximately 11 hours
Dimension (mm)	84(H) X66(W) X 23(D)
Weight	155g (w/o battery)
Housing	Die cast metal body

ARCHE Wireless Microphone System Transmitters

AR2L
Lavalier Microphone

AR2H
Headworn Microphone

*Available in Black & Tan color

AR2L lavaliere microphone designed to work with Arche wireless transmitter is a high sensitivity microphone to produce superior speech clarity. The microphone capsule comes with cardioid pick up pattern and the full frequency range offers natural audio response. The microphone comes with thick 1.4 mm cable with 120 cm long cable with TA4F connector.

AR2H headset microphone gives speakers the much-needed freedom to perform freely while on stage. Discreet and lightweight in design, AR2H head worn microphone offers crisp, natural vocal response through its improved condenser capsule. Designed to work perfectly with Arche Wireless Microphones, the wide frequency response makes it suitable for all kinds of vocal textures and sound profiles. The microphone comes with thick 1.4 mm cable with 120 cm long cable with TA4F connector.

TECHNICAL SPECIFICATIONS

Element	Back Electret Condenser
Polar pattern	Uni-Directional
Sensitivity	-37dB
Outout Imdepance	<1.8KΩ
S/N Ratio	>59dB
Dimensions of capsule	(Φ)4.0x1.5mm
Frequency response	20Hz-20KHz
Power Supply	2-10V DC
Cable	1.2m
Connector	TA4F

TECHNICAL SPECIFICATIONS

Element	Back Electret Condenser
Polar pattern	Omni Directional
Sensitivity	-40.5dB ±2dB
Outout Imdepance	<2.2KΩ
S/N Ratio	>59dB
Dimensions of capsule	(Φ)4.0x1.5mm
Frequency response	20Hz-15KHz
Power Supply	210V DC
Cable	1.2m
Connector	TA4F

KEYER Digital Processing & Control

Keyer series of DSP gives you unprecedented opportunity to solve the most complex problems of signal routing & processing. Erthpot has designed Keyer series with the best possible components &circuits to develop a digital signal processors that helps in a significant amount of cost savings and at the same time provides features that exactly fits in a place according to the needs of every individual user.

ERTHPOT®

KEYER Digital Processing & Control

APPLICATIONS

Conference Rooms

Training Rooms/Classrooms

Restaurants, Clubs & Bars

FEATURES

DANTE™ Audio Transmission

The Dante technology from Audinate provides smooth and hassle-free digital audio transmission over the standard local area networks. Dante enabled devices can share multiple channels of high resolution digital audio with each other over a local area network.

Keyer control GUI systems

The GUI keyersoft allows the user to reach up to each processing bloc within the DSP and configure it as per the needs of the venue. With 16 preset storing capacities the user can save the settings of each processing environment separately.

Advanced Audio Processing

Keyer DSPs boasts the much needed algorithms like ANS (Automatic Noise Suppression), AFC (Adaptive Feedback Control) and AGC (Automatic Gain Control) to provide you the comprehensible audio output.

Acoustic Echo Cancellation (AEC)

The Keyer Series of DSP have advanced AEC algorithms to create a much faster echo or double talk eliminations and thereby providing a disturbance free Intelligent voice quality.

USB Audio Interface

Front Panel USB port offers audio record and playback through its in built sound card. The USB audio interface gives added benefits of using the DSP for VoIP applications for eg. a web-based video conferencing where DSP is directly connected to a PC that is hosting the conference.

Powerful Motherboard Chip

TI456MHz Dual-Core Chip for DSP gives you an unprecedented opportunity to solve the most complex problems of signal routing & processing.

KEYER 44 Digital Processing & Control

OVERVIEW

The KEYER 44 is an audio processing and control system that uses an advanced TI456MHz Dual-Core Chip for DSP giving you an unprecedented opportunity to solve the most complex problems of signal routing & processing. Keyer44 makes mixing, vocal processing, signal routing & room optimization all these tasks very simple & straight forward. The Keyer Series DSP helps you to get the most optimized audio performance for presentation and conferencing applications in wherever place you want whether it be in boardrooms, courtrooms, or a resto-bar.
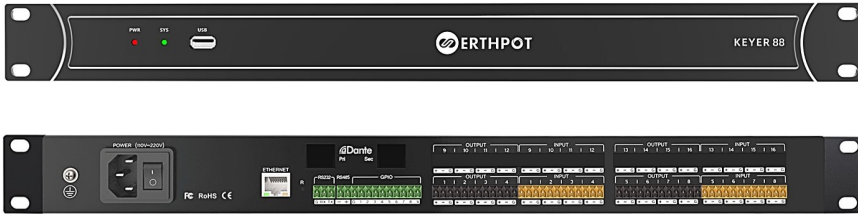
FEATURES

- DSP audio processing, built-in automatic mixing console, Ducker dodger, optional feedback elimination, echo elimination, noise elimination module.
- Input Per Channel: Preamplifier, signal generator, expander, compressor, 10-band parametric equalization.
- Output Per channel: 31-band graphic equalizer, delay, crossover, limiter.
- Built-in bi-directional USB Audio Interface for soft codec conferencing solution supports recording & play.
- Support for scene preset function.
- Automatic power failure protection memory function.
- Full-featured matrix mixing function.
- User definable GUI windows-based control software to manage & configure the DSP unit.
- Built-in automatic camera tracking function.

TECHNICAL SPECIFICATIONS

Sampling Rate	48KHz
Phantom Power	48V
Frequency Response	20 - 20KHz，±0.2dB
Maximum Input/Output Level	18dBu
Output Impedance (Balanced)	100Ω
Equivalent Input Noise EIN	≤-125dBU
Channel Isolation @1kHz	100dB
THD+N	<0.004% @4dBu
Digital/Analog Dynamic Range	120dB
Background Noise	-90dBU
Analog/Digital Dynamic Range	114dB
Input Impedance (Balanced)	20kΩ
Input Gain Amplification range	24 to -27dB, (3dB Step,17 in total)
Operating Power Supply	AC110/220V,50Hz/60Hz
Enclosure / Chassis Material	Pressed Steel (powder coated)
Chassis Dimensions (H×W×D)	45×482×258 mm, Size 19" 1RU
Product Weight	2.9 kg
Included Accessories	IEC 1.2 MTR Power Cord
Environmental conditions	-10 to +40 °C
Compliance	CE & RoHS

PORT CONFIGURATION

Analog Input Channel	4
Analog Output Channel	4
Dante Input Channel	N/A
Dante output Channel	N/A
Ethernet control port	1
Dante Interface (Primary)	N/A
Dante Interface (Secondary)	N/A
RS232	1
RS485	1
GPIO	8 (Freely Configurable Ports)

KEYER 88   Digital Processing & Control

OVERVIEW

The KEYER 88 is an audio processing and control system that uses an advanced TI456MHz Dual-Core Chip for DSP giving you an unprecedented opportunity to solve the most complex problems of signal routing & processing. Keyer Series makes mixing, signal routing, vocal processing, and room optimization, all these tasks very simple and quite straightforward. The Keyer Series DSP helps you to get the most optimized audio performance for presentation and conferencing applications in wherever place you want whether it be in boardrooms, courtrooms, or a resto-bar.

FEATURES

- DSP audio processing, built-in automatic mixing console, Ducker dodger, optional feedback elimination, echo elimination, noise elimination module.
- Input Per Channel: Preamplifier, signal generator, expander, compressor, 10-band parametric equalization.
- Output Per channel: 31-band graphic equalizer, delay, crossover, limiter.
- Built-in bi-directional USB Audio Interface for soft codec conferencing solution supports recording & play.
- Support for scene preset function.
- Automatic power failure protection memory function.
- Full-featured matrix mixing function.
- User definable GUI windows-based control software to manage & configure the DSP unit.
- Built-in automatic camera tracking function.

TECHNICAL SPECIFICATIONS

Sampling Rate	48KHz
Phantom Power	48V
Frequency Response	20 - 20KHz，±0.2dB
Maximum Input/Output Level	18dBu
Output Impedance (Balanced)	100Ω
Equivalent Input Noise EIN	≤-125dBU
Channel Isolation @1kHz	100dB
THD+N	<0.004% @4dBu
Digital/Analog Dynamic Range	120dB
Background Noise	-90dBU
Analog/Digital Dynamic Range	114dB
Input Impedance (Balanced)	20kΩ
Input Gain Amplification range	24 to -27dB, (3dB Step,17 in total)
Operating Power Supply	AC110/220V,50Hz/60Hz
Enclosure / Chassis Material	Pressed Steel (powder coated)
Chassis Dimensions (H×W×D)	45×482×258 mm, Size 19" 1RU
Product Weight	2.9 kg
Included Accessories	IEC 1.2 MTR Power Cord
Environmental conditions	-10 to +40 °C
Compliance	CE & RoHS

PORT CONFIGURATION

Analog Input Channel	8
Analog Output Channel	8
Dante Input Channel	N/A
Dante output Channel	N/A
Ethernet control port	1
Dante Interface (Primary)	N/A
Dante Interface (Secondary)	N/A
RS232	1
RS485	1
GPIO	8 (Freely Configurable Ports)

KEYER 88D Digital Processing & Control

FEATURES

- DSP audio processing, built-in automatic mixing console, Ducker dodger, optional feedback elimination, echo elimination, noise elimination module.
- Input Per Channel: Preamplifier, signal generator, expander, compressor, 10-band parametric equalization.
- Output Per channel: 31-band graphic equalizer, delay, crossover, limiter.
- Built-in bi-directional USB Audio Interface for soft codec conferencing solution supports recording & play.
- Support for digital audio transmission through inbuilt 8x8 Dante audio interface.
- Automatic power failure protection memory function.
- Full-featured matrix mixing function.
- User definable GUI windows-based control software to manage & configure the DSP unit.
- Built-in automatic camera tracking function.

PORT CONFIGURATION

Analog Input Channel	8
Analog Output Channel	8
Dante Input Channel	8
Dante output Channel	8
Ethernet control port	1
Dante Interface (Primary)	1
Dante Interface (Secondary)	1
RS232	1
RS485	1
GPIO	8 (Freely Configurable Ports)

OVERVIEW

The KEYER 88D is an audio processing and control system that uses an advanced TI456MHz Dual-Core Chip for DSP giving you an unprecedented opportunity to solve the most complex problems of signal routing & processing. The Dante module provides a high bandwidth, low latency, high compatibility, and low-cost solution for network audio transmission. Keyer 88D makes mixing, signal routing, vocal processing, and room optimization, all these tasks, are very simple and quite straightforward. The Keyer Series DSP helps you to get the most optimized audio performance for presentation and conferencing applications in wherever place you want whether it be in boardrooms,.

TECHNICAL SPECIFICATIONS

Sampling Rate	48KHz
Phantom Power	48V
Frequency Response	20 - 20KHz，±0.2dB
Maximum Input/Output Level	18dBu
Output Impedance (Balanced)	100Ω
Equivalent Input Noise EIN	≤-125dBU
Channel Isolation @1kHz	100dB
THD+N	<0.004% @4dBu
Digital/Analog Dynamic Range	120dB
Background Noise	-90dBU
Analog/Digital Dynamic Range	114dB
Input Impedance (Balanced)	20kΩ
Input Gain Amplification range	24 to -27dB, (3dB Step,17 in total)
Operating Power Supply	AC110/220V,50Hz/60Hz
Enclosure / Chassis Material	Pressed Steel (powder coated)
Chassis Dimensions (H×W×D)	45×482×258 mm, Size 19" 1RU
Product Weight	2.9 kg
Included Accessories	IEC 1.2 MTR Power Cord
Environmental conditions	-10 to +40 °C
Compliance	CE & RoHS

KEYER 1616 Digital Processing & Control

OVERVIEW

The KEYER 1616 is an audio processing and control system that uses an advanced TI 456MHz Dual-Core Chip for DSP, providing an unprecedented opportunity to solve the most complex problems of signal routing and processing. The KEYER 1616 simplifies tasks such as mixing, signal routing, vocal processing, and room optimization, making them straightforward and efficient. The Keyer Series DSP ensures optimized audio performance for presentation and conferencing applications in various settings, whether in boardrooms, courtrooms, or restro-bars. Additionally, 16 ports onboard GPIO together with 16 channel analog i/o make the KEYER 1616 the most unique product in its category.

FEATURES

- DSP audio processing, built-in automatic mixing console, Ducker dodger, optional feedback elimination, echo elimination, noise elimination module.
- Input Per Channel: Preamplifier, signal generator, expander, compressor, 10-band parametric equalization.
- Output Per channel: 31-band graphic equalizer, delay, crossover, limiter.
- Built-in bi-directional USB Audio Interface for soft codec conferencing solution supports recording & play.
- Support for scene preset function.
- Automatic power failure protection memory function.
- Full-featured matrix mixing function.
- User definable GUI windows-based control software to manage & configure the DSP unit.
- Built-in automatic camera tracking function.
- 16 ch analog i/o with 16 port GPIO ports

PORT CONFIGURATION

Analog Input Channel	16
Analog Output Channel	16
Dante Input Channel	N/A
Dante output Channel	N/A
Ethernet control port	1
Dante Interface (Primary)	N/A
Dante Interface (Secondary)	N/A
RS232	1
RS485	1
GPIO	16 (Freely Configurable Ports)

TECHNICAL SPECIFICATIONS

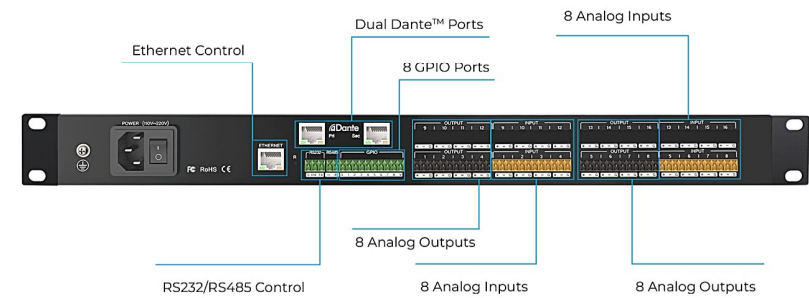|	
Sampling Rate	48KHz
Phantom Power	48V
Frequency Response	20 - 20KHz，±0.2dB
Maximum Input/Output Level	18dBu
Output Impedance (Balanced)	100Ω
Equivalent Input Noise EIN	≤-125dBU
Channel Isolation @1kHz	100dB
THD+N	<0.004% @4dBu
Digital/Analog Dynamic Range	120dB
Background Noise	-90dBU
Analog/Digital Dynamic Range	114dB
Input Impedance (Balanced)	20kΩ
Input Gain Amplification range	24 to -27dB, (3dB Step,17 in total)
Operating Power Supply	AC110/220V,50Hz/60Hz
Enclosure / Chassis Material	Pressed Steel (powder coated)
Chassis Dimensions (H×W×D)	45×482×258 mm, Size 19" 1RU
Product Weight	2.9 kg
Included Accessories	IEC 1.2 MTR Power Cord
Environmental conditions	-10 to +40 ℃
Compliance	CE & RoHS

PC1 Parameter Controller

OVERVIEW

The PC1 is a rotating control panel that can be customised to suit your environment. A PoE switch, eliminating the need for custom cables and local power supplies, powers it and supports firmware upgrades for your equipment.

APPLICATIONS

· Adjusting the processor volume or switching application scenes, mixing matrix and other functions to meet the unique needs of specific applications.

· Custom programming according to the actual usage environment.

· Powered by a POE switch, eliminating the need for custom cables and local power supplies.

Ethernet Control

Dual Dante™ Ports

8 GPIO Ports

8 Analog Inputs

RS232/RS485 Control

8 Analog Outputs

8 Analog Inputs

8 Analog Outputs

Note: Above image shows port configuration of **KEYER 88D** only, Ports may look different on another models of Keyer DSP's

NOVO CONFERENCE SYSTEM

The Novo Conference System is an elegantly designed, affordable conference discussion system with a Dante network interface, ensuring seamless plug-and-play operation. Perfectly suited for small to medium conference rooms, assembly halls, and classrooms.

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APPLICATIONS

TRAINING ROOMS

CONFERENCE ROOMS

CLASSROOMS

FEATURES

All in one Plug n Play System

Novo Conference System are designed with an intention to keep technical programming at the minimum level. Everything comes with the box.

In built Camera Tracking

NCS allows to connect any Video conferencing camera to track the active microphone unit in the system through its RS232 / RS 222 port.

Digital & Wired

Up to 110 numbers of microphones can be daisy chained to the central controller unit through a standard Cat5 Network Cable.

Auto Detect

The Central Control Unit automatically detects the number of microphone units connected in the system.

Dante Audio Output

The Central Control Unit offers Dante digital output as well apart from analog XLR. This allows NCS to connect to other Dante enabled systems.

Speech intelligibility

Automatic Gain processing technology to prevent feedback and improve voice clarity.

OVERVIEW

NCS110-CU is the central controller unit of Novo Conference System which powers, manages and controls the whole conference system. The latest microprocessor chip automatically detects the number of units connected, current conference mode, controls cameras connected to it and many other functions which are required in a modern-day conference room. It's built in Audio Gain Processing circuit prevents unnecessary feedback and improves the vocal intelligibility of the room. Every function and parameter in this unit can be easily accessed through the front OLED display which shows the microphone status, operating mode, number of active speakers etc. Housed in a pressed steel body with 1RU size NCS110-CU is designed based on "everything built into hardware" where the complete system is made to run like an appliance without much technical support required.

FEATURES

- 4 kinds of conference mode selection: FIFO, Automatic with limiting time), Request and Sound activated
- The central controller can select the number of speakers, and active 2/3/4 microphones simultaneously
- Support camera tracking, through the serial port RS-232 or RS-422 communication protocol, controls up to 4 cameras, compatible with VISCA, PELCO-D, and PELCO-P 3 kinds of camera control code protocol
- With 4 Video inputs and 1 output port, SDI and HD SDI video inputs and outputs are supported.
- Supports Dante digital output, flexible to connect with various Dante enabled solutions
- With automatic gain audio processing circuit, prevent feedback effectively and improve the clarity of the whole system.
- It is easy to expand and change the configuration. the central controller connects up to 10 microphones units. If we connect the NEB-124W we can connect up to 110 microphone units
- With aux input and output you can plug external audio sources to add multiple functionality like recording, PA/Music inclusion etc.

TECHNICAL SPECIFICATIONS

Number of microphones supported:	110
Maximum Power consumption:	100W/24V
XLR balances carnon maximum output level:	14.6dBu
Maximum output level of the 6.35mm balance socket:	14.6dBu Anti-drop 9P aviation plug x I
Microphone unit extension:	Network port (female) xl
Video input port:	BNCx4
Video output port:	BNCx1
Video interface impedance:	75Ω
Dante interface:	RJ45x1
Audio output:	XLRM x 1, 6.35mmjackx 1, RCA Lotus x 1
Audio input:	RCA Lotus x 1
Pin serial port control interface:	DB9 Female plug x 1
Rs-232 control protocol interface:	5P Phoenix terminal X 1
Rs-422 control protocol interface:	5P Phoenix terminal X 1
Supply voltage:	90-264V AC or 127-370V AC, 47-63Hz
Weight:	about 2.3kg
Dimension (mm):	410(W) X43 (H) x206 (D)

NCS-5C Chairman Unit

The NCS-5C is a desktop base discussion microphone unit designed as a chairman microphone for Novo Conference System. The microphone unit is engineered in high-quality aluminum alloy die cast housing. The chairman microphone connects to the NCS-110 central control unit via network category 5/6 cable. The unit includes a shotgun Gooseneck microphone with a cardioid unidirectional pickup capsule. The microphone comes with an illuminating ring at the bottom which indicates the active status. The chairman unit prioritizes itself over all other delegate units via override button.

FEATURES

· Wired Integrated Gooseneck microphone with cardioid pickup capsule which provides clear and full sound quality, high sensitivity, and a good long-distance pick-up effect.
· Speaking status indicator: red when mute, green when speaking.
· Convenient loop through cabling via standard cat5 category.
· In-built mute button with status led.
· Aluminum finished metallic die-cast body.

TECHNICAL SPECIFICATIONS

Polar pattern:	Cardioid Condenser
Frequency response:	50Hz-20KHz
Sensitivity:	-20dBV (+/-3dB) (0db=1Vpa, f=1Khz)
Maximum input sound pressure level:	110dB (THD¬ < 5%, f=1KHz)
Signal to noise ratio (A-weighted):	> 100dBA (THD<1%, f=1 Khz)
Distortion:	<0.1%
Power supply:	24V DC (supplied by the controller)
Power consumption:	0.72W
Unit interface:	RJ45 network input
Weight:	about 670g
Dimension (mm):	147 (L) Xl 15 (W) x218(H)

NCS-5D Delegate Unit

The NCS-5D is a desktop base discussion microphone unit designed as a delegate microphone for Novo Conference System. The microphone unit is engineered in high-quality aluminum alloy die cast housing. The delegate microphone connects to the NCS-110 central control unit via network category 5/6 cable. The unit includes a shotgun Gooseneck microphone with a cardioid unidirectional pickup capsule. The microphone comes with an illuminating ring at the bottom which indicates the active status. The delegate unit has a mute button to control its integrated microphone.

FEATURES

· Wired Integrated Gooseneck microphone with cardioid pickup capsule which provides clear and full sound quality, high sensitivity, and a good long-distance pick-up effect.
· Speaking status indicator: red when mute, green when speaking.
· Convenient loop through cabling via standard cat5 category.
· In-built mute button with status led.
· Aluminum finished metallic die-cast body.

TECHNICAL SPECIFICATIONS

Polar pattern:	Cardioid Condenser
Frequency response:	50Hz-20KHz
Sensitivity:	-20dBV (+/-3dB) (0db=1Vpa, f=1Khz)
Maximum input sound pressure level:	110dB (THD < 5%, f=1KHz)
Signal to noise ratio (A-weighted):	> 100dBA (THD<1%, f=1 Khz)
Distortion:	<0.1%
Power supply:	24V DC (supplied by the controller)
Power consumption:	0.72W
Unit interface:	RJ45 network input
Weight:	about 670g
Dimension (mm):	147 (L) Xl 15 (W) x218(H)

NCS-5CF Flushmount Chairman Unit

NCS-5CF is a flush mount type discussion microphone unit designed as a chairman unit for Novo Conference System. The microphone unit is engineered in high-quality copper zinc die cast housing. The microphone connects to the NCS-110CU central control unit via network category 5/6 cable. The unit comes with a screw type detachable microphone port to connect the .gooseneck microphone in it. The chairman unit prioritizes it self over all other delegate units via override button.

NCS-5DF Flushmount Delegate Unit

NCS-5DF is a flush mount type discussion microphone unit designed as a delegate unit for Novo Conference System. The microphone unit is engineered in high-quality copper zinc alloy die cast housing. The microphone connects to the NCS-110CU central control unit via network category 5/6 cable. The unit comes with a screw type detachable microphone port to connect the gooseneck microphone in it. The delegate unit has a mute button to control its integrated microphone.

FEATURES

· Recessed enclosure design for discreet looks
· High Quality Copper Zinc alloy die-cast body
· Detachable Screw Type XLR port for Gooseneck Microphone
· Backlit Speak & Override button
· Network port CAT5/6

FEATURES

· Recessed enclosure design for discreet looks
· High Quality Copper Zinc alloy die-cast body
· Detachable Screw Type XLR port for Gooseneck Microphone
· Backlit Speak button
· Network port CAT5/6

TECHNICAL SPECIFICATIONS

Power supply:	24V DC (supplied by the controller)
Power consumption:	0.72W
Unit interface:	RJ45 network input
Weight:	about 345g (without microphones)
Dimension (mm):	100 (L) Xl 42 (W) x90(H)

TECHNICAL SPECIFICATIONS

Power supply:	24V DC (supplied by the controller)
Power consumption:	0.72W
Unit interface:	RJ45 network input
Weight:	about 345g (without microphones)
Dimension (mm):	100 (L) Xl 42 (W) x90(H)

NGM512 Shotgun Microphone

NGM512 is a professional shotgun type gooseneck microphone specifically designed for NCS flush mounts units. The gooseneck microphones offers superior off axis rejection and the frequency response is adjusted to create excellent intelligibility over the speech. The Microphones offers a wide frequency range of 50 Hz - 20 kHz, suitable for natural audio reproduction. The Gooseneck Microphone is equipped with screw type holder designed to firmly lock the base of the conference microphone to prevent various failures caused by looseness or poor contact. The LED ring at the bottom of the microphone responds according to the status of the discussion unit

FEATURES

- Screw Type detachable Shotgun Microphone for NCS Flush Mount discussion units
- Superior off axis rejection with super – cardioid pick up pattern
- Wide frequency response for natural audio reproduction
- In built LED ring indicator to indicate On/Off status
- Superior Brass Body with black matte finish

TECHNICAL SPECIFICATIONS

Capsule Type:	Condenser
Polar Pattern:	Super Cardioid
Frequency Response:	50Hz-20KHz
Sensitivity:	-20dB+/-3dB(0dB=1V/Pa,f=1KHz)
SPL:	110dB(THD<5%, f=1KHz)><5%, f=1Khz)
S/N Ratio(A weighted):	>100dBA(THD<5%, f=1KHz)><1%, f=1Khz)
Distortion:	<0.1%
Power Supply:	5V DC
Output Connector:	XLRM
Dimensions:	285(L)
Weight:	180g

NGM516 Gooseneck Microphone

NGM516 is a professional gooseneck microphone specifically designed for NCS flush mounts units. The dual flex design offers full articulation of the microphone and accurate aiming towards the speaker. The Gooseneck Microphone is equipped with screw type holder designed to firmly lock the base of the conference microphone to prevent various failures caused by looseness or poor contact.

FEATURES

- Screw Type detachable gooseneck Microphone for NCS Flush Mount discussion units
- Dual flex design for accurate aiming towards the speaker
- Superior off axis rejection with cardioid pick up pattern
- Smooth & wide frequency response for natural audio reproduction
- Superior Brass Body with black matte finish

TECHNICAL SPECIFICATIONS

Capsule Type:	Cardioid
Polar Pattern:	Condenser
Frequency Response:	100Hz-15KHz
Sensitivity:	-47 dB/1kHz at 1Pa
SPL:	105dB SPL/1kHz at 1% THD
Impedance:	680Ω
S/N Ratio:	>52dB/1kHz at 1Pa
Power Supply:	5V DC
Output Connector:	Female 3-pin XLR
Dimensions:	415mm
Weight:	195g

NEB-124W Novo Extention Box

The NEB-124W is a repeater used in the Novo Conference System to provide a power connection for the microphone units it enhances the stability of the entire system and increases the number of microphone units used. NEB-124W repeater is made of pressed steel metal housing, which is sturdy, and stylish. It can be fixed on the wall or the bottom of the table etc., which is convenient for installation purposes
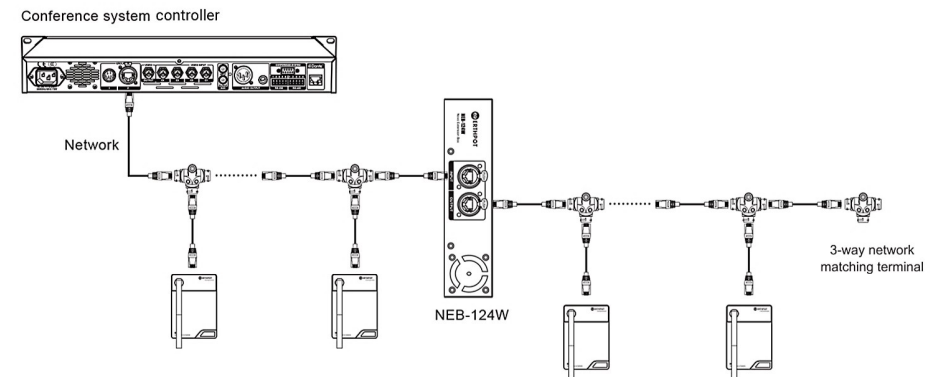
FEATURES

- NEB-124W has a built-in 72W/24V power module, which can provide power for 30 microphone units
- Two network cable connectors are connected by a dedicated network cable, one is the input and the other is the output
- Built-in a fan to ensure that the power supply maintains a good heat dissipation effect when working at high power
- With a working indicator, it lights up in red when it is on standby and blue when it is working
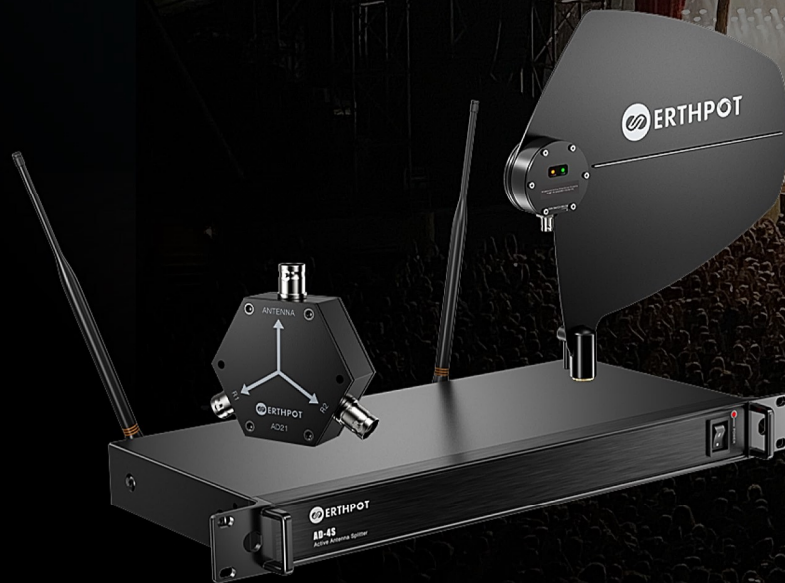
TECHNICAL SPECIFICATIONS

Model	NEB-124W
Power supply (AC)	110-240V, 50/60Hz
Output voltage	24V
Maximum output power	72W
Input/output terminal	RJ45 Network port
Specification (mm)	220 (L) x 140 (W) x 48 (H)
Weight (g)	950 gm

CONNECTION DIAGRAM

Conference system controller

Network

NEB-124W

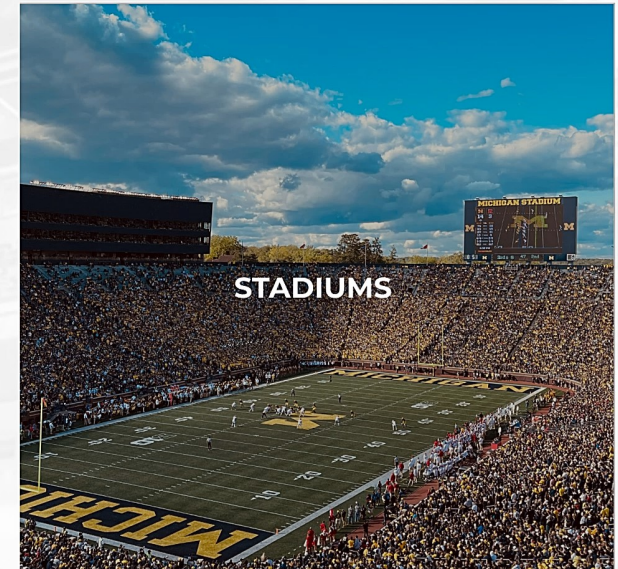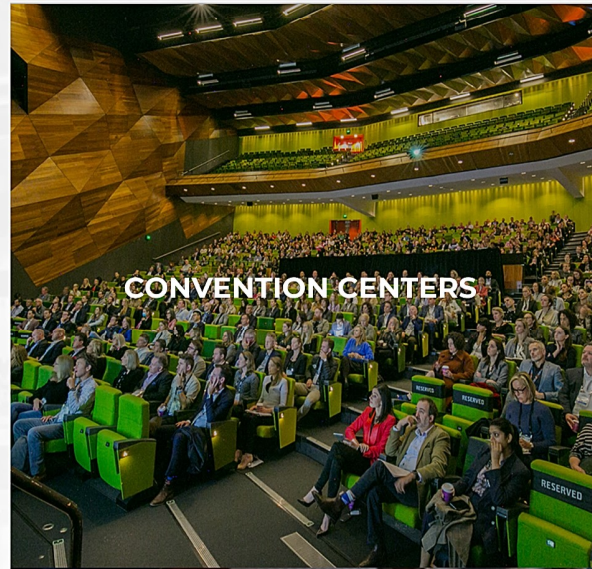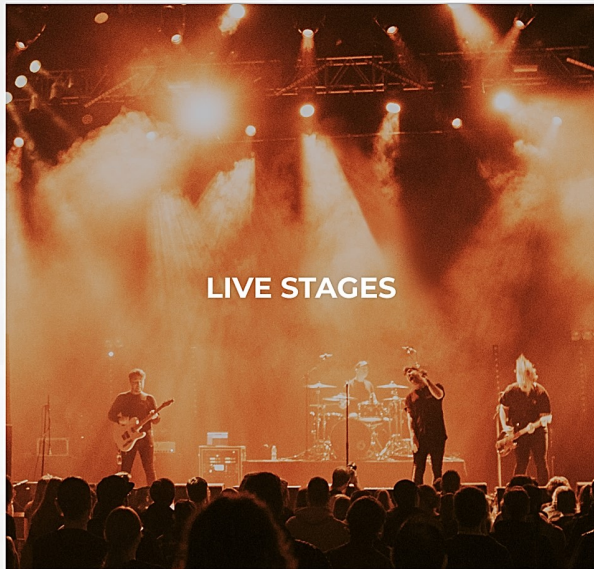3-way network matching terminal

ANTENNA DISTRIBUTION SYSTEM

The AD4S by Erthpot revolutionizes wireless microphone setups with it's four-way active high-performance antenna distribution system. Simplifying signal distribution from a single pair of antennas to multiple receivers, it enables seamless sharing of diversity antennas with up to four Arche Wireless receivers (Single or Dual), reducing signal dropouts caused by antenna interference. With four internal power supplies delivering 12V/800mA to all connected receivers, consistent power ensures optimal performance, eliminating signal interruptions and ensuring seamless audio transmission. Say hello to uninterrupted audio and bid farewell to signal dropouts with the game-changing AD4S antenna distribution system.

ERTHPOT®

APPLICATIONS

LIVE STAGES

CONVENTION CENTERS

STADIUMS

FEATURES

Four Way Distribution

Provides diversity antenna distribution to four single or dual receivers

Wide Band RF Coverage

Wide band frequency band allows stable RF signal reliability

In built power distribution

Provides DC power distribution for four Arche Wireless receivers

Compensation for insertion loss

The RF signal outputs provide +3dB gain to compensate for insertion loss

Ancillaries included

AD4S comes bundled with all necessary RF & power cables

Rugged Road ready enclosure

Full metal housing with black matte paint finish suits touring & large PA applications

OVERVIEW

The AD4S by Erthpot is a game-changer for those looking to expand their wireless microphone setups. This four-way active high-performance antenna distribution system simplifies the process of distributing signals from a single pair of antennas to multiple receivers. With AD4S, you can now share one pair of diversity antennas with up to four Arche Wireless receivers (Single or Dual), effectively reducing signal dropouts that are often caused by multiple antennas interfering with signal reception.

One of the key features of AD4S is its four internal power supplies, each capable of providing power of 12V/800mA to all the receivers connected to it. This ensures that all your receivers receive a consistent and reliable power supply, further enhancing the performance of your wireless microphone setup. Say goodbye to signal dropouts and hello to seamless audio transmission with the AD4S antenna distribution system.

FEATURES

- Provides diversity antenna distribution to four single or dual receivers
- Wide band frequency band allows stable RF signal reliability
- Provides DC power distribution for four Arche Wireless receivers
- RF Signal Output Gain of 3dB to compensate for insertion loss
- Comes bundled with all necessary RF & power cables
- Full Metal housing unit with matte paint finish.

TECHNICAL SPECIFICATIONS

Frequency Range:	470 — 900 MHz
Gain of Output:	0 dB, ±3 dB(A Typical)
Input Impedance:	50Ω (A Typical)
Output Impedance:	50Ω (A Typical)
Power Supply of Antenna:	+8V, 150mA
Power Supply of Receiver:	+12V DC, 800mA
Power Supply:	AC 100-240V, 50/60 Hz
Dimension (mm):	410(W) x 206(D) x 43(H)
Weight:	About 2.5 Kg

AD-21 Antenna Divider/HUB

AD21 is a two way passive antenna splitter/ combiner compatible with Erthpot's Wireless Microphone Systems. This handy device can split an incoming signal into two outgoing signals, or it can combine two incoming signals into one signal, giving you even more flexibility and options for improving your signal strength. The corrosion resistant BNC connectors offer long term reliability of signal distribution.

FEATURES

· Wideband frequency support over entire UHF range
· Allows the user to expand coverage and signal stability
· Supports all ohm low noise Coaxial RF Cables

TECHNICAL SPECIFICATIONS

Frequency Range:	400MHz - 1000MHz
Attenuation:	-3.5dB, ±1dB
Insulate:	>-20dB
Impedance:	50 Ohm
Voltage/Current:	+50V DC/1.50A
Connector:	BNC
Size(mm):	65(W) x 50(L) x 20(H)
Weight:	About 35g

AD49-W Active Wide Band Directional Antenna

AD49-W is a active wide band directional antenna (470 - 900 MHz) designed to be used with professional wireless microphones. It's in built RF amplifier allows signal gain of up to 13 dB to compensate for long cable runs. The specifically designed antenna's midrib and side vein receptors allow a higher polarization of 6dBi towards its cardioid pick up coverage. The AD49-W can be fixed to the microphone stand or suspended from the ceiling, or it can be fixed to the wall using the integrated rotatable stand. The lightweight metal structure allows rugged use over indoor or outdoor working conditions.

FEATURES

· Wide band directional antenna
· In built RF amplifier of 5/13 dB selectable gain
· Cardioid pick up coverage with 6dBi gain
· Lightweight in design
· Suitable for both indoor and outdoor conditions

TECHNICAL SPECIFICATIONS

Antenna Frequency Range:	480MHz~950Mhz
Amplifier Frequency Range:	480MHz~950MHZ
Antenna Directivity:	Cardiord
Antenna Polarization:	Line
Antenna Gain:	≥6.5dB
Antenna Standing Wave Ratio:	<2
Amplifier Gain:	5dB/13dB
Amplifier Low Noise:	<0.45dB
Amplifier OIP3:	>38dBm
External Power Supply:	6-12V DC
Current:	<50mA
Connector Port:	BNC female
Dimensions (mm):	323(L) x 306(W)

VECTOR PROFESSIONAL WIRED MICROPHONES

The Vector Series Microphones are precision-engineered and purpose-built to provide exceptional audio quality. This collection encompasses a variety of offerings, all dedicated to creating high-end wired microphones and accessories tailored specifically for commercial audio installation projects. When customers choose the Vector Series microphone, they demonstrate a commitment to prioritizing quality.

ERTHPOT

VECTOR Professional Wired Microphones

APPLICATIONS

LIVE PERFORMANCES

TRAINING ROOMS

CONFERENCE ROOMS

FEATURES

Vocals first

The precision engineering of Vector microphone cartridges ensures optimal vocal clarity and intelligibility. Every word you speak is captured with utmost accuracy, enhancing your communication and ensuring that your message is conveyed exactly as intended.

Designed to appeal

With their discreet and low-profile designs, they seamlessly blend into any environment. Whether it's a conference room, an auditorium or an AV studio, vector microphones provide exceptional sound quality without compromising the aesthetics of the space.

Superior Construction

Our Vector microphones are meticulously crafted using high-quality material, ensuring reliable & long-term performance. With a matte black paint finish on top, these microphones exude a stylish and professional aesthetics.

VC1 Vocal Condenser Microphone

The VC1 is a multi-purpose, professional vocal condenser microphone designed for stage, studio, and broadcast applications. It has a smooth and accurate frequency response and resistance to feedback. With its tight and controlled cardioid polar pattern, the VC1 helps isolate vocals on stage, while handling high SPLs without distortion. Electret condenser capsule fitted in high quality brass to improve the vocal quality and stability. It is also versatile enough to capture instruments such as guitars, woodwinds, brasses, percussion toys, drum overheads, hi-hats, and pianos.

FEATURES

· Multi-purpose condenser microphone for professional audio
· Designed for smooth vocal pickup
· Flat frequency response in vocal range
· High strength metal grille with mesh protection
· Rugged metal body with matte paint

TECHNICAL SPECIFICATIONS

Capsule Type:	Backplane polarized electret condenser
Polar Pattern:	Cardioid Unidirectional
Frequency Response:	50Hz - 20KHz (+- 3dB)
Sensitivity:	-44 dB (1V/Pa)
Output Impedance:	280 Ω
Max sound pressure level:	120 dB (1KHz at 1% T.H.D)
Dynamic Range(Typical):	115dB，1KHz at max sound pressure
S/N Ratio:	>72dB(A)，1KHz at 1Pa
Phantom Power requirement:	11 – 52 VDC
Output Connector:	Built-in 3-pin XLR-M Type
Size:	φ51mm x 190mm
Weight (Approximately):	365g

VD1 Vocal Dynamic Microphone

With its clear and accurate sound reproduction, resistance to feedback, and ability to handle high SPLs without distortion, the VD1 is a game-changer in the world of vocal microphones. The VD1's tight, uniform pattern effectively isolates vocals from the instruments on stage, ensuring crystal-clear sound quality. Its wide frequency range of 50 Hz – 14 kHz, coupled guarantees a precise and exceptional voice response. Furthermore, VD1 Microphone comes with reliable reed type mute switch which avoids switching noise during the performances. Even on large or professional systems, the VD1 retains its true sound, making it a versatile choice for any setup. VD1 microphone is made of high strength metal enclosure with steel grille and mesh protection layer.

FEATURES

· Multi-purpose dynamic vocal microphone for professional audio
· Tailored vocal emphasized frequency response
· High quality reed type mute switch
· High strength metal grille with mesh protection
· Rugged metal body with matte paint

TECHNICAL SPECIFICATIONS

Capsule Type:	Dynamic coil
Polar Pattern:	Cardioid Unidirectional
Frequency Response:	50Hz - 14KHz (+- 3dB)
Sensitivity:	-58 dB (1V/Pa)
Output Impedance:	600 Ω
Max sound pressure level:	140dB (1KHz at 1% T.H.D)
Phantom Power requirement:	N/A
Output Connector:	Built-in 3-pin XLR-M Type
Size:	φ51mm x 190mm
Weight:	343g

VI518-GN Gooseneck Microphone

VI518GN is a professional gooseneck microphone specifically designed for podium speeches, presentations, meetings, and teleconferencing sessions. With their miniature gooseneck design, these condenser microphones offer exceptional sound quality and clarity. Whether you're addressing a large audience or participating in a virtual meeting, these professional microphones ensure that your voice is heard loud and clear. The Microphones offers a wide frequency range of 30 Hz - 18 kHz, ensuring that every detail in your audio is captured and reproduced accurately, resulting in a superior listening experience. The VI518GN is equipped with dual flex neck and in built Mic Preamp circuitry in the base of the XLR. The Mic Preamp is internally balanced to avoid any Hum n Noise from external sources. The Microphone also contains a Low Frequency Roll off switch along with 10dB attenuation switch for added control over the input sources. The Microphone is made up of high quality brass construction body with black matte finish paint on top.

FEATURES

- 18" Gooseneck length with dual flex design
- Natural audio reproduction
- Low Noise Mic Pre Amp Circuitry
- Low Frequency Roll off switch
- 0/-10 dB Attenuation Switch
- Superior Brass Body with black matte finish

TECHNICAL SPECIFICATIONS

Element	Back Electret-Condenser.
Polar Pattern	Cardioid.
Frequency Range	30 Hz ~ 18,000 Hz.
Low Frequency Roll-off	180Hz, 12dB/octave.
Impedance	250Ω ± 30% (at 1000 Hz).
Open Circuit Sensitivity	-57 dB ± 3 dB (0 dB=1 V/microbar 1000 Hz indicated by open circuit).
Maximum Input Sound Level	115dB SPL, 1KHz at 1%T.H.D.
Dynamic Range	82dB 1KHz at Max SPL.
Signal-To-Noise Ratio	61dB 1KHz at 1Pa.
Operating Voltage	Phantom Power 11 – 52 V DC, 2mA typical.
Switch	Flat, Roll-off 10dB pad (Nominal).

VI522-GN Gooseneck Microphone

VI522GN is a professional gooseneck microphone specifically designed for podium speeches, presentations, meetings, and teleconferencing sessions. With their miniature gooseneck design, these condenser microphones offer exceptional sound quality and clarity. Whether you're addressing a large audience or participating in a virtual meeting, these professional microphones ensure that your voice is heard loud and clear. The Microphones offers a wide frequency range of 30 Hz - 18 kHz, ensuring that every detail in your audio is captured and reproduced accurately, resulting in a superior listening experience. The VI522GN Microphone is equipped with dual flex neck and in built Mic Preamp circuitry in the base of the XLR. The Mic Preamp is internally balanced to avoid any Hum n Noise from external sources. The Microphone also contains a Low Frequency Roll off switch along with 10dB attenuation switch for added control over the input signal. The Microphone is made up of high quality brass construction body with black matte finish paint on top.

FEATURES

- 22" Gooseneck length with dual flex design
- Natural audio reproduction
- Low Noise Mic Pre Amp Circuitry
- Low Frequency Roll off switch
- 0/-10 dB Attenuation Switch
- Superior Brass Body with black matte finish

TECHNICAL SPECIFICATIONS

Element	Back Electret-Condenser
Polar Pattern	Cardioid
Frequency Range	30 Hz ~ 18,000 Hz
Low Frequency Roll-off	180Hz, 12dB/octave
Impedance	250Ω ± 30% (at 1000 Hz)
Open Circuit Sensitivity	-57 dB ± 3 dB (0 dB=1 V/microbar 1000 Hz indicated by open circuit)
Maximum Input Sound Level	115dB SPL, 1KHz at 1%T.H.D
Dynamic Range	82dB 1KHz at Max SPL
Signal-To-Noise Ratio	61dB 1KHz at 1Pa
Operating Voltage	Phantom Power 11 – 52 V DC, 2mA typical
Switch	Flat, Roll-off 10dB pad (Nominal)

VI512D-GN Gooseneck Microphone

The VI512D-GN is a versatile Desktop Gooseneck Microphone tailored for public addressing, conferencing, podcasting, and a positioning, while the attached desktop base provides stability. With an in-built touch-sensitive talk switch featuring LED indication and a toggle switch offering both "Push to Talk" and "Push to Lock" modes, it provides intuitive control. Additionally, the bass roll-off filter enhances sound quality by reducing low-frequency background noise. Whether you're addressing an audience or participating in a video conference, this microphone delivers professional-grade audio performance and convenience in a single package, making it a top choice for professionals and communicators seeking exceptional sound quality.

FEATURES

· 12" Gooseneck length with dual flex
· Attached desktop base
· In built touch based mute switch with LED indication
· Toggle Mute Switch – PTT/PTL (Push to Talk/ Push to Lock)
· Bass roll off filter
· Brass Enclosure with coiled steel gooseneck tube

TECHNICAL SPECIFICATIONS

Element	Electret-Condenser
Polar pattern	Cardioid
Frequency Range	80 – 18,000 Hz
Open circuit sensitivity	- 55dB±3 (0 dB=1 V/ microbar 1000 Hz indicated by open circuit)
Impedance	100±30% Ω (at 1000 Hz)
Maximum Input Sound Level	115dB SPL, 1KHz at 1%T.H.D
Dynamic Range	82dB 1KHz at Max SPL
Signal-To-Noise Ratio	61dB 1KHz at 1Pa
Operating Voltage	Phantom Power 11-52V DC, 2mA typical
Switch Type	Membrane-Touching switch
ON/OFF Switch Function	PTT and PTL selectable
Bass Filter Switch	Flat, Roll-Off

VI516GN-L Gooseneck Microphone with LED light ring

VI516GN-L is a professional gooseneck microphone specifically designed for podium speeches, presentations, and meetings. With its bright LED light ring on top, the microphone offers clear visibility on the status whether its On or Off. The Microphone capsule is condenser in nature for superior sensitivity to audio signals with Uni-Directional Polar Pattern (Cardioid). Despite being made affordable these microphones offer a wide frequency range of 50 Hz - 18 kHz, ensuring that your audio is captured and reproduced accurately. The Gooseneck Microphone is equipped with single flex neck on the bottom and an in-built Mic Preamp circuitry in the base of the XLR. The Mic Preamp is internally balanced to avoid any Hum n Noise from external sources. The Microphone can be mounted permanently using a optional desktop base stand (VI50DSR) or can be flange mounted on a table using VI50SM shock mount.

FEATURES

· 16" Gooseneck length
· LED Light Ring
· Low Noise Mic Pre Amp Circuitry
· Wide Frequency Range with natural audio reproduction

TECHNICAL SPECIFICATIONS

Element	Back Electret - Condenser
Polar Pattern	Cardioid
Frequency Response	50 - 18,000 Hz
Open Circuit Sensitivity	- 65 dB / microbar
Impedance	145 dB SPL, 1 kHz at 1% T.H.D.
Maximum Input Sound Level	200Ω
Dynamic Range	116 dB, 1 kHz at Max SPL
Signal-To-Noise Ratio	65 dB, 1 kHz at 1Pa
Operating Voltage	Phantom Power 48 - 52 V DC, 6mA typical
Output Connector	Integral 3 - pin XLRM-type
Dimensions	19x426mm

VI60DB   Boundary Microphone

The VI60DB is a versatile, low-profile boundary microphone designed for conferencing, public addressing, and digital audio communication. It features exceptional sensitivity and long-distance pickup, making it ideal for various applications such as conferencing, theatre, and acoustic instruments. With a wide frequency range of 50 Hz - 16 kHz, the VI60DB reproduces sound with exceptional clarity. Constructed to high standards, it can withstand rigorous use. The microphone's precision die-cast zinc casing and steel mesh grill provide robust protection and a sleek appearance. Its space-saving mini XLR connector and rubber base facilitate easy positioning. The package includes a 5-meter Mini XLR to XLR cable for added flexibility.

FEATURES

· Low Profile Boundary Microphone
· In built touch based mute switch with LED indication
· Toggle Switch – PTM/PTL (Push to Mute / Push to Lock)
· High gain selectable switch (HG/Normal)
· Zinc Coated Die Cast Enclosure

TECHNICAL SPECIFICATIONS

Element	Electret-Condenser
Polar pattern	Cardioid
Frequency Range	50 – 16,000 Hz
Open circuit sensitivity	High Gain -35dBV±3
	Normal Gain -39dBV±3
Impedance	100±30% Ω (at 1000 Hz)
Maximum Input Sound Level	120dB SPL, 1KHz at 1%T.H.D
Dynamic Range	93dB 1KHz at Max SPL
Signal-To-Noise Ratio	67dB 1KHz at 1Pa
Operating Voltage	Phantom Power 11-52V DC, 2mA typical
Switch Type	Membrane-Touching switch
ON/OFF Switch Function	PTT and PTL selectable
Bass Filter Switch	HG/Mormal (Hgh Gain/Normal Gain)

VI50DSR   Desktop Base Rounded Type

VI50DSR is a rounded type desktop base designed to work with gooseneck microphone with XLR connector at the bottom to provide support over a table top. The desktop base comes with a mute switch for controlling the microphone. The base has a push to lock chassis XLR connector which gives stability to long neck microphones. Rugged Zinc Die cast body with matte finish paint offers long lasting performance.

FEATURES

· Heavy duty desktop base for gooseneck microphone
· Push to lock chassis mount XLR connector
· High quality mute switch
· Rugged metal body with matte paint

VI50SM   Anti-Vibration Table Shock Mount

Surface fitting microphone mount accessory for gooseneck microphone made of ABS plastic. Comes with a foam underlay to isolate table vibrations and acts as shock absorber

FLEXIFEATHER HEADWORN MICROPHONES

The Flexifeather Series, comprising the FHT40-O/OB and FHT40-U/UB miniature headworn microphones, offers lightweight, sensitive, and high-performance solutions for professional applications like theatres, broadcasting, and live events. These microphones feature flexible stems for easy adjustment, omnidirectional (FHT40-O/OB) and unidirectional (FHT40-U/UB) condenser capsules for low ambient noise, and crisp sound. Designed for comfort and discreet appearance, they come in black and tan color, with 1.3m detachable moisture-resistant cables and connector options (TA4F & 3.5 mm Jack). Compatible with Erthpot's Arche Wireless systems, Flexifeather ensures seamless hands-free performances.

FLEXIFEATHER Headworn Microphones

APPLICATIONS

BUSINESS
CONFERENCE

LECTURE HALLS

PUBLIC
SPEAKING

FEATURES

Adjustable Headband

Sturdy clutch mechanism with adjustable boom arm length to fit variety of head profiles

Discreet in appearance

Miniature design for discreet appearance

Feather Weight construction

Light weight design suitable for presenters, instructors & artists on stage

FLEXIFEATHER Headworn Microphones

FHT40-O/OB Miniature Headworn Microphones

Imagine the convenience of having a microphone that is not only lightweight and sensitive, but also allows you to move freely while speaking or performing. FHT-O & FHT-U miniature headworn microphones are highly sensitive condenser microphone with wide frequency response for crisp & distortion free sound. With these headworn microphones, you can focus on delivering your message without being weighed down by bulky equipment. Compatible with Erthpot's Arche Wireless microphones, the FHT40-O microphones allows the best handsfree performances in theatres, broadcasting & live events. The feather weight structure with flexible stem allows easy adjustment of microphone capsule according to the user's face profile. With two color options to choose from – Tan & Black (FHT40-OB), the Flexifeather headworn microphones offer discreet appearance while wearing. The super sensitive condenser capsule with omnidirectional pick-up pattern has a low ambient noise and enhanced vocal response frequency curve to suit all kind of vocal textures. The moisture resistant 1.5mm thick signal cable is made to withstand tough environments of live & touring applications. The Flexifeather headworn microphones come with two types of connector options– TA4F & 3.5 mm Jack which makes them an easy choice with any kind of wireless bodypack transmitter.

FEATURES

· Feather weight construction with flexible stem headset microphone for professional applications like theatres, live events & broadcasting
· Miniature design for discreet appearance
· Omnidirectional capsule with low ambient noise design
· Sturdy clutch mechanism with adjustable boom arm length to fit variety of head profiles
· Comes with 1.3 M detachable cable with two connector options – TA4F & 3.5 mm Jack.
· Available in two color options – Black & Tan

TECHNICAL SPECIFICATIONS

Polar Pattern:	Omni-directional.
Frequency Response:	20 Hz to 20,000 Hz
Impedance:	1,500 Ω ± 30% (at 1 K Hz)
Sensitivity:	-67 dB ± 3 dB (0 dB=1 V/microbar 1000 Hz)
Operating Voltage:	1V~10V DC (RL:2K2Ω)

FHT40-U/UB Miniature Headworn Microphones

Imagine the convenience of having a microphone that is not only lightweight and sensitive, but also allows you to move freely while speaking or performing. FHT-O & FHT-U miniature headworn microphones are highly sensitive condenser microphone with wide frequency response for crisp & distortion free sound. With these headworn microphones, you can focus on delivering your message without being weighed down by bulky equipment. Compatible with Erthpot's Arche Wireless microphones, the Flexifeather FHT40-U microphones allows the best handsfree performances in theatres, broadcasting & live events. The feather weight structure with flexible stem allows easy adjustment of microphone capsule according to the user's face profile. With two color options to choose from – Tan & Black (FHT40-UB), the Flexifeather headworn microphones offer discreet appearance while wearing. The super sensitive condenser capsule with unidirectional pick-up pattern has a low ambient noise and enhanced vocal response frequency curve to suit all kind of vocal textures. The moisture resistant 1.5mm thick signal cable is made to withstand tough environments of live & touring applications. The Flexifeather headworn microphones come with two types of connector options– TA4F & 3.5 mm Jack which makes them an easy choice with any kind of wireless bodypack transmitter

FEATURES

· Feather weight construction with flexible stem headset microphone for professional applications like theatres, live events & broadcasting
· Miniature design for discreet appearance
· Unidirectional pick-up pattern with low ambient noise design
· Sturdy clutch mechanism with adjustable boom arm length to fit variety of head profiles
· Comes with 1.3 M detachable cable with two connector options – TA4F & 3.5 mm Jack.
· Available in two color options – Black & Tan
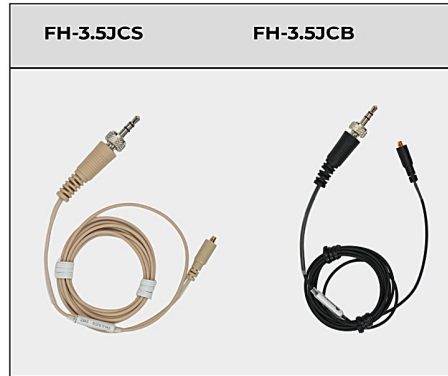
TECHNICAL SPECIFICATIONS

Polar Pattern:	Uni-directional.
Frequency Response:	20 Hz to 20,000 Hz
Impedance:	1,500 Ω ± 30% (at 1 K Hz)
Sensitivity:	-62 dB ± 3 dB (0 dB=1 V/microbar 1000 Hz)
Operating Voltage:	1V~10V DC (RL:2K2Ω)

FLEXIFEATHER Headworn Microphones

ACCESSORIES

FH-3.5JCS/CB
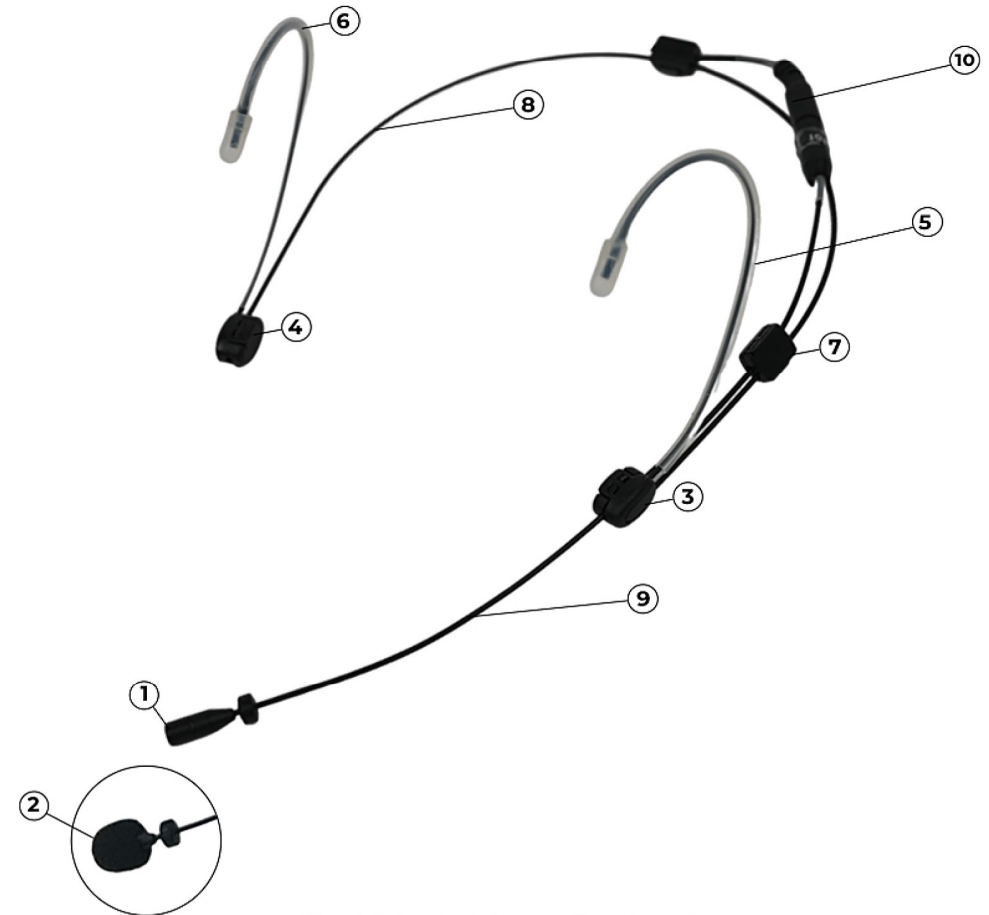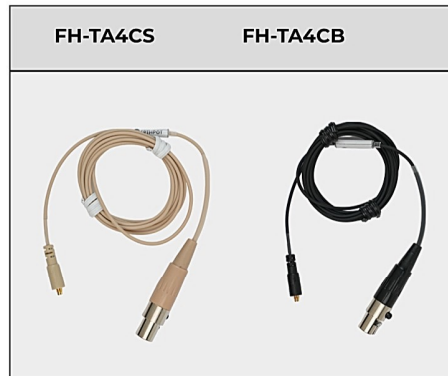Extension cable with 3.5mm Jack Connector

FH-3.5JCS/CB is an extension cable for Flexifeather headworn microphone with 3.5mm jack connector in it. The 1.4 mm thick cable is a 3 wire copper conductor with Red wire as positive with respect to ground. Compatible with brands which are using 3.5mm screw type connectors on the bodypack transmitters (Operating DC volt 1-10V). Comes in two color options – Skin & Black to match with the microphone.

FH-3.5JCS	FH-3.5JCB

FH-TA4CS/CB
Extension cable with TA4F Connector

FH-TA4CS/CB is an extension cable for Flexifeather headworn microphone with TA4F connector in it. The 1.4 mm thick cable is a 3 wire copper conductor with Red wire as positive with respect to ground. Compatible with Arche AR2 bodypack transmitters and other brands with TA4M connectors (Operating DC volt 1-10V). Comes in two color options – Skin & Black to match with the microphone.

FH-TA4CS	FH-TA4CB

① Microphone Capsule   ⑧ Headband Frame

② Foam Windscreen   ⑨ Boom Arm

③④ Under Ear Grip   ⑩ Detachable Cable Extension

⑤⑥ Ear Hook Sleeve

⑦ Headband Flex

The picture displayed above is the **FHT40-OB**

🇮🇳 Created in India

ERTHPOT