CATALOG 2022

IP SPEAKERS

MAJORCOM:

MAJORCOM:

A story, a know-how

MAJORCOM, **founded 50 years ago** and based in Toulouse, is **the leading French company** and a major European player in the field of professional sound systems, public address and voice alarm..

MAJORCOM was the **first specialized company** in Voice Alarm systems **to be certified in France.** Through being at the forefront of the development of the most advanced technologies, MAJORCOM is commited to always providing products of the latest generation.

MAJORCOM mastery of production offers you the manufacturer's warranty on Public Address products and guarantees the compliance of its security systems with European EN 54 and International ISO standards.

A team, an expertise

MAJORCOM places **customer service at the heart of its business model** thanks to its dedicated business team.

Our systems are custom-designed by our engineering department which is staffed with acousticians and electronic engineers, with the expert support of our R&D department, and an after-sales department with highly involved support functions.

To our partners, we offer systems that are truly adapted to the reality of their technical needs and to the needs of the end users.

Values that stand the test of time

TO LISTEN AND WORK CLOSELY WITH OUR CUSTOMERS : we devote our full attention and expertise to **informing, securing and offering an outstanding customer experience**.

A FOCUS ON QUALITY : optimize your profitability rate thanks to **reliable systems supervised by our quality department** (Customer service < 0.3%).

A CULTURE OF INNOVATION : our systems feature every innovation that enhances **technical, energetic and connectivity performances.**

EXPERTISE : our engineering relies on innovative technical resources, on the **adaptability of our teams and their unconditional dedication to your projects to fully satisfy your every need.**

MAJORCOM:

A wide range of products and services

MAJORCOM provides expert advice, studies, estimates, editing, commissioning, maintenance and VAS quickly and efficiently on a selection of products from:

PUBLIC ADDRESS & IP SYSTEMS

- Sources & microphones
- Mixers
- Amplifiers
- Audio over IP
- Loudpeakers
- PPMS, POI, PPI
- Conference system
- Induction loops...

PROFESSIONAL SOUND SYNSTEMS

- Line Array
- Loudspeakers
- Source
- Processors
- Amplifiers
- Mixers
- Accessories...

VOICE ALARM SYSTEMS

- EN54-16 Systems
- Batteries & EN54-4 Chargers
- EN54 Accessories
- EN54-24 Speakers

Our references

MAJORCOM has built its notoriety on the success of thousands of completed projects.

+ 50,000
On-site installations

+ 30,000
End customers

+ 1,000
Loyal installers

+ 100
Engineering consulting partners

Information at your disposal

To accompany you in the success of your projects.

TECHNICAL DOCUMENTATION: check out our data sheets, application samples, videos and catalogues on our website: **www.majorcom.fr**

WEBSITE: learn more about our services and products, accessible through any device, on our website: **www.majorcom.fr**

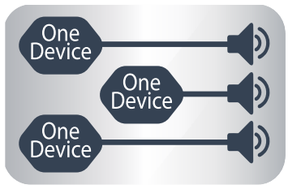
NEWSLETTER: recommendations, innovations, invitations to trade shows... To keep up with all the MAJORCOM news, subscribe to our newsletter at **www.majorcom.fr**

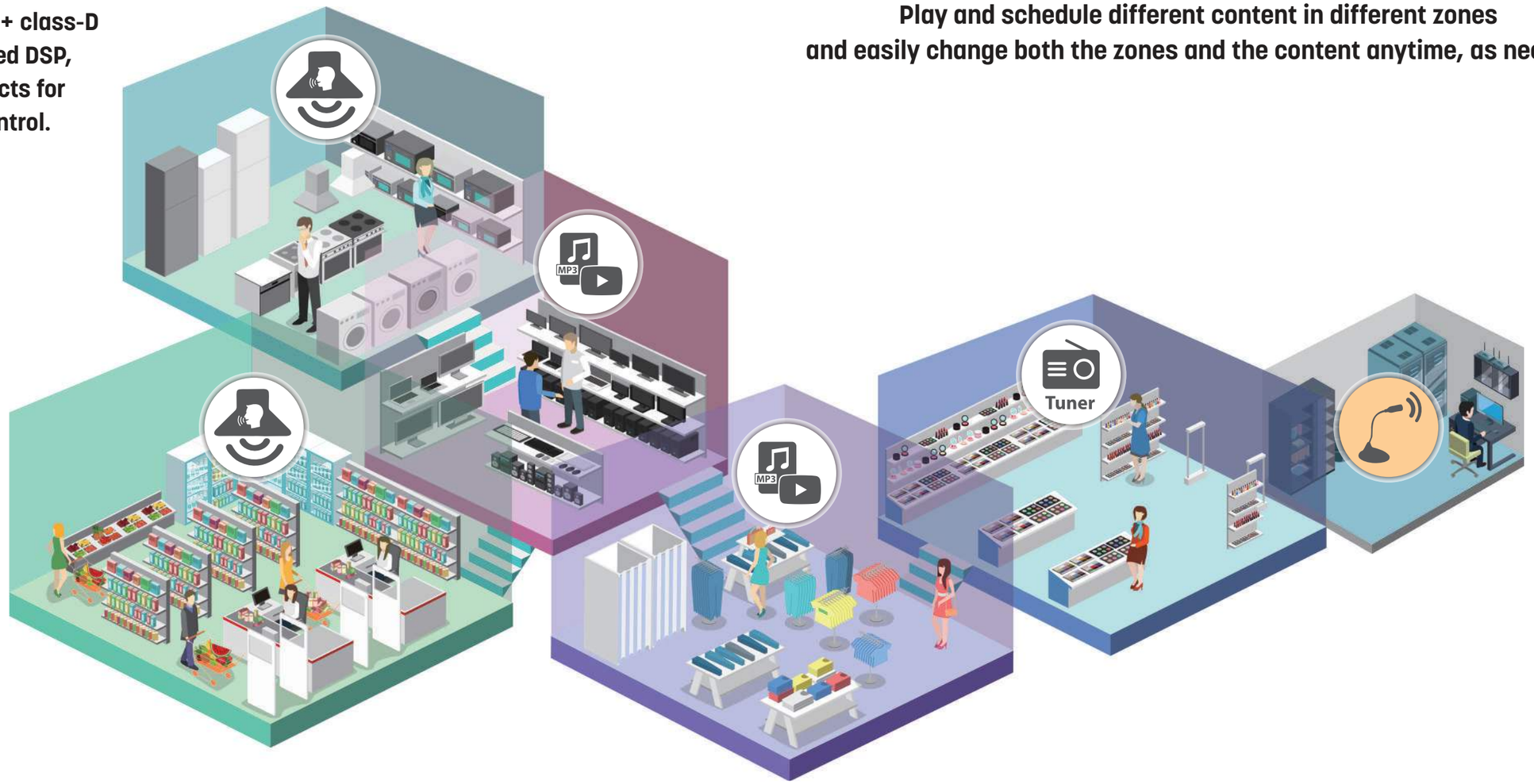
IP network PA solutions for every space

Why IP speakers ?

Individual zone control

Each loudspeaker incorporates its own self-powered PoE+ class-D digital amplifier, integrated DSP, line output and dry contacts for precise and individual control.





Play and schedule different content in different zones and easily change both the zones and the content anytime, as needed.

High Audio quality

Uncompressed/ Compressed High Digital audio quality format

Simple power supply

IP speaker get power from POE switch

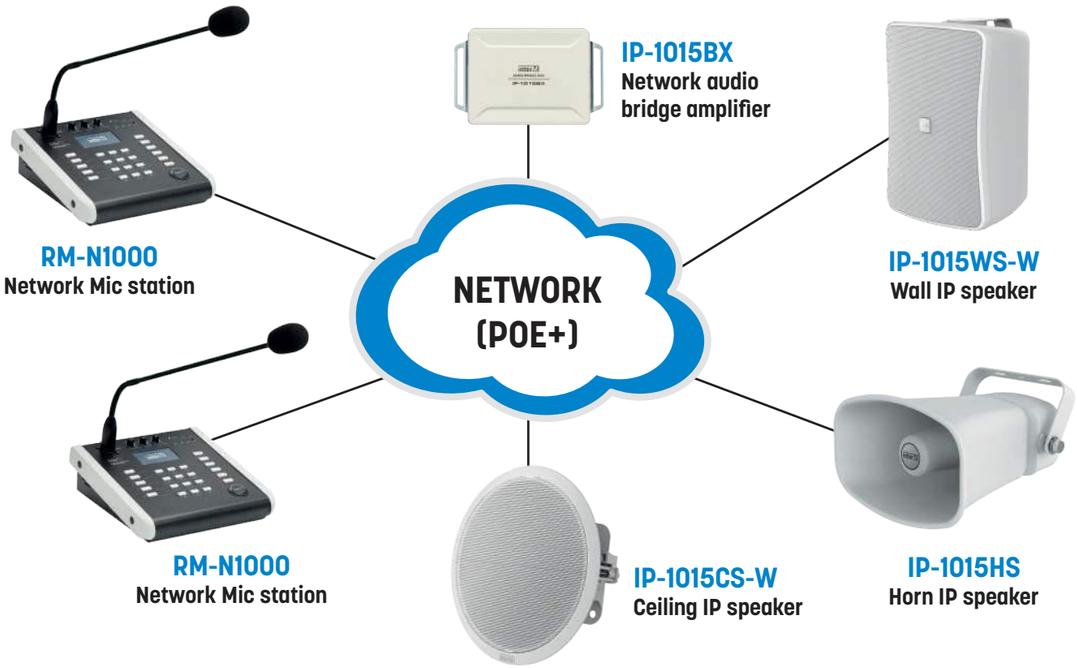
Scalability

It can be used in conjunction with various external devices such as CCTV (VMS) and PBX (SIP).

Easy plug and play

By connecting with networks not using line installation method needed to the integration but it saves costs and time.

Experience our new technology!



- **Our IP audio system can operate and manage broadcasts via standard Ethernet networking protocols.**
- **Through the network, the system receives power and audio, and users can monitor and manage the system.**
- **IP audio system basically provides annual scheduler, TTS, and graphically visualized monitoring functions.**

AOE Protocol

Through AOE (Audio Over Ethernet) protocol, it can broadcast with uncompressed format PCM(Pulse-code modulation) or compressed format MP3.

Individual zone control

- Speaker, power amplifier, DSP, and remote control are integrated into one device so that the user can configure a system with 1 zone 1 amplifier.
- This allows individual control of speakers installed in multiple zones.
- Play and schedule different content in different zones - and easily change both the zones and the content anytime, as needed.

Multi-source dynamic PA control

- Support multi-source play up to 48 (Multicast)
  Max 24 audio sources, Max 24 remote MICs can be registered to the system.
- The system with network amplifier and IP speaker
  Up to 256 zones control (Multicast), Up to 20 zones control (Unicast). Up to 255 groups.
- The system with the network controller (Coming soon)
  Up to 512 zones control (Multicast), Up to 20 zones control (Unicast). Up to 255 groups.

Web GUI

Users can configure and set the system via embedded software..

IP speaker supports two operation modes

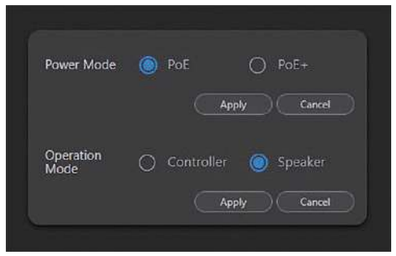
Controller: Performs controller functions such as device/audio monitoring, operation, registration, device setting, etc.

Speaker: Performs IP speaker functions such as audio, BGM, VoIP, network settings, and system settings.

Power

Network amplifiers and IP speakers are powered via POE or PoE+.

It can output up to 4.5W with PoE and up to 10W with PoE+.



EQ function

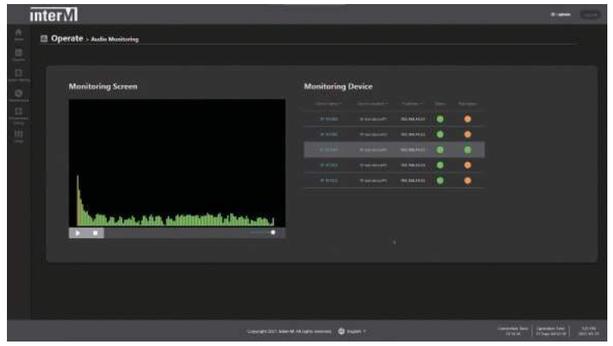
IP speakers: optimized EQ already built-in.

IP-1015BX: equalizer provided to customizing sound.

Audio monitoring by condenser MIC

Users can activate audio monitoring by built-in condenser MIC.

Users can check the broadcasting level meter by the controller's audio monitoring menu.

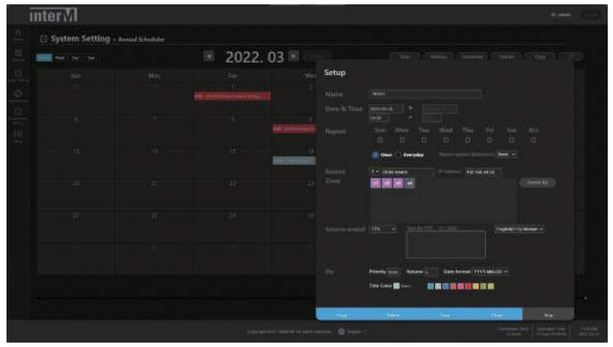


IP Speakers

Annual Scheduler

By annual scheduler, the user can make scheduled broadcasting.

Also, users can easily add, remove, manage holidays, and download/upload registered schedules by XML format.

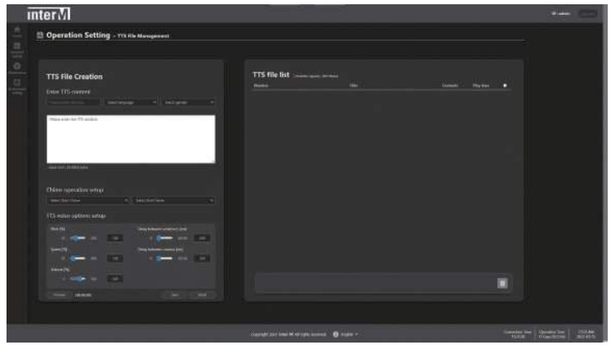


TTS (Text to Speech)

Users can set up 5 different languages*, Gender (Male/Female), Chime (Start, End).

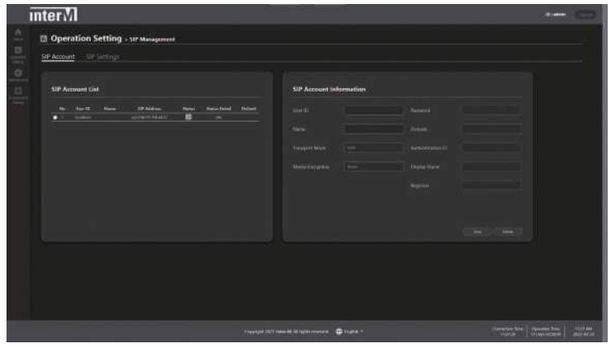
The user can change the tone, delay, speed, and volume by voice option setting.

*French/English/German/Spanish/Korean



SIP

It can easily be integrated with an IP-PBX system using the SIP (VoIP) protocol which makes it a perfect application for any type of CCTV site, industrial site, shopping centre, bank...



IP Speakers : application

IP speakers + PBX

IP speaker can be used alone without a separate controller. The system can be easily expanded based on a network (LAN), and paging broadcasting is possible without restrictions on location/distance.

Built-in WEB GUI enables system control and broadcast transmission through mobile devices and computers.

Offices

Schools

Warehouses

Government offices

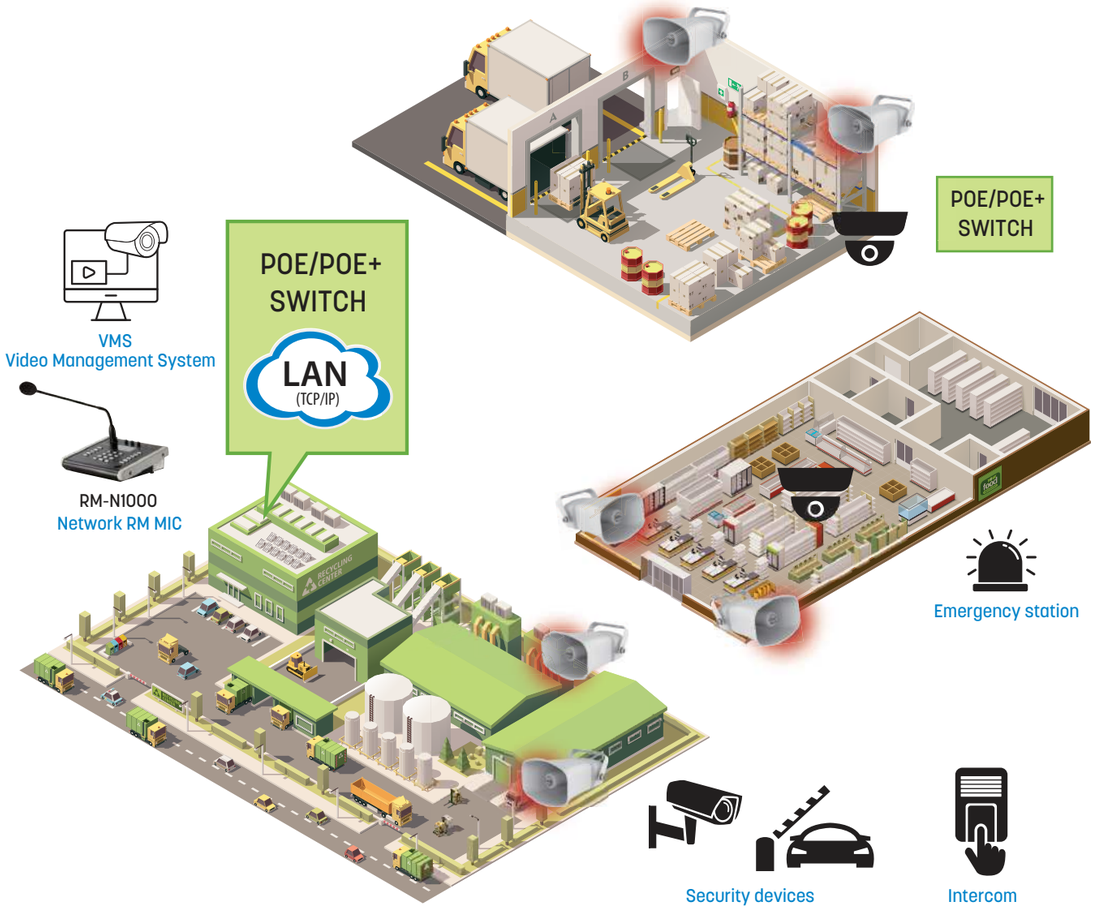
IP Speakers : application

IP speakers + VMS software (CCTV)

By integrating VMS and IP speaker, users will have a new solution.

If you broadcast while monitoring video in real time, you will be able to more easily prevent crime or danger and respond to problems in advance.

This will help customers manage crises and reduce costs.



Theme parks

Train stations

Military bases

Power plants

IP Speakers System components

IP-1015BX
Network Audio Bridge Amplifier

NEW

- Built-in 10W Class-D amplifier
- Supports PoE/PoE+
- Ethernet 10/100 BASE-T (default IP: 192.168.1.99)
- Micro SD card slot

Model	IP-1015BX
LINE OUTPUT	
Maximum audio output	+6dBV ±3dB
Frequency response	20Hz - 20kHz
THD+N (AES17 LPF)	< 0.1%
S/N (20Hz LPF, A-WTD)	> 85dB
AMPLIFIER	
Rated output power (8Ω,1kHz sine wave)	3.7W (PoE), 10W (PoE+) @ 5kHz
NETWORK	
Ethernet	10/100 Base-T
Security	Password protection: admin, settings, user, sha-2 guest, digest authentication, user access log
Supported protocols	IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP
STORAGE	
Memory	Internal: 1Go / External: MicroSD Max 32Go (SDHC SANDISK)
CONTACT I/O	
Contact Input (1CH)	Dry contact
Contact Output (1CH)	Dry contact (N.O: Normally open)
GENERAL	
Power	PoE (IEEE 802.3af type 1 Class 3) / PoE+ (IEEE 802.3at type 2 Class 4)
Operating temperature / humidity	-20°C ~ +50°C / 10% ~ 85% (no condensing)
Dimensions (WxHxD)	123 x 80 x 30.6mm
Weight	0.24kg
AUDIO	
Audio compression	WAV, MP3 mono/stereo from 64kbps to 320kbps / Sampling from 16kHz to 48kHz
SYSTEM INTEGRATION	
Multi-source dynamic PA control	Multisources up to 48 (Multicast) (Audio 24 CH + Mic 24 CH) Up to 256 control zones (multicast) or 20 control zones (unicast) Up to 255 groups
VoIP	SIP Features: DTMF (RFC2833) / Codecs: PCMU, PCMA, Speex/8000, Speex/16000
TTS	French / English / German / Spanish / Korean
Event and Preset	Virtual contact, dry contact
Functional monitoring	Connection verification, integrated system logging

IP-1015CS-B / IP-1015CS-W
Network ceiling speakers

- All-in-one speaker system
- 2-way 8" unit
- 10W Class-D amplifier integrated
- PoE/PoE+ support
- Ethernet 10/100 BASE-T (Default IP: 192.168.1.99)
- VoIP, background music, scheduler, TTS

IP-1015CS-B (Black)

NEW

Rear face
IP-1015CS-W (White)

Model	IP-1015CS-B / IP-1015CS-W
LINE OUTPUT	
Maximum audio output	+6dBV ±3dB
Frequency response	20Hz - 20kHz
THD+N (AES17 LPF)	< 0.1%
S/N (20Hz LPF, A-WTD)	> 85dB
AMPLIFIER	
Rated output power (8Ω,1kHz sine wave)	3.7W (PoE), 10W (PoE+) @ 5kHz
NETWORK	
Ethernet	10/100 Base-T
Security	Password protection: admin, settings, user, sha-2 guest, digest authentication, user access log
Supported protocols	IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP
STORAGE	
Memory	Internal: 1Go / External: MicroSD Max 32Go (SDHC SANDISK)
CONTACT I/O	
Contact Input (1CH)	Dry contact
Contact Output (1CH)	Dry contact (N.O: Normally open)
GENERAL	
Power	PoE (IEEE 802.3af type 1 Class 3) / PoE+ (IEEE 802.3at type 2 Class 4)
Operating temperature / humidity	-20°C ~ +50°C / 10% ~ 85% (no condensing)
Dimensions (ØxD)	269 x 142.5mm
Weight	1.8kg
LOUDSPEAKER	
Type	LF: 2 channels 8" & HF: 2" / Coaxial cone
SPL Max	96dB (PoE: 3.7W) / 99dB (PoE+: 10W)
Bandwidth	120Hz~20kHz
Sensitivity (1W)	89dB
Nominal dispersion	(HxV): 180° x 120° (1kHz) / 120° x 70° (4kHz)
AUDIO	
Built-in microphone	50Hz ~ 16kHz
Audio compression	WAV, MP3 mono/stereo from 64kbps to 320kbps / Sampling from 16kHz to 48kHz
SYSTEM INTEGRATION	
Multi-source dynamic PA control	Multisources up to 48 (Multicast) (Audio 24 CH + Mic 24 CH) Up to 256 control zones (multicast) or 20 control zones (unicast) Up to 255 groups
VoIP	SIP Features: DTMF (RFC2833) / Codecs: PCMU, PCMA, Speex/8000, Speex/16000
TTS	French / English / German / Spanish / Korean
Event and Preset	Virtual contact, dry contact
Functional monitoring	Connection verification, integrated system logging

IP Speakers System components

IP SYSTEM

IP-1015WS-B / IP-1015WS-W
Network wall speaker

- All-in-one speaker system
- 2-way 5" unit
- 10 W Class-D amplifier integrated
- PoE/PoE+ support
- Ethernet 10/100 BASE-T (Default IP: 192.168.1.99)
- VoIP, background music, scheduler, TTS
- Mounting: U-shaped bracket

IP-1015WS-W
(White)

NEW

Rear face
IP-1015WS-B
(Black)

Model	IP-1015WS-B / IP-1015WS-W
LINE OUTPUT	
Maximum audio output	+6dBV ±3dB
Frequency response	20Hz - 20kHz
THD+N (AES17 LPF)	< 0.1%
S/N (20Hz LPF, A-WTD)	> 85dB
AMPLIFIER	
Rated output power (8Ω,1kHz sine wave)	3.7W (PoE), 10W (PoE+) @ 5kHz
NETWORK	
Ethernet	10/100 Base-T
Security	Password protection: admin, settings, user, sha-2 guest, digest authentication, user access log
Supported protocols	IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP
STORAGE	
Memory	Internal: 1Go / External: MicroSD Max 32Go (SDHC SANDISK)
CONTACT I/O	
Contact Input (1CH)	Dry contact
Contact Output (1CH)	Dry contact (N.O: Normally open)
GENERAL	
Power	PoE (IEEE 802.3af type 1 Class 3) / PoE+ (IEEE 802.3at type 2 Class 4)
Operating temperature / humidity	-20°C ~ +50°C / 10% ~ 85% (no condensing)
Protection	IP54
Dimensions (WxHxD)	170 x 250 x 134mm
Weight	2.5kg
SPEAKER	
Type	BF: 2 channels 5" & HF: 0.5" / Passive
SPL Max	96dB (PoE: 3.7W) / 99dB (PoE+: 10W)
Bandwidth	120Hz~20kHz
Sensitivity (1W)	89dB
Nominal dispersion	(HxV): 90° (1kHz) / 60° (4kHz)
AUDIO	
Built-in microphone	50Hz ~ 16kHz
Audio compression	WAV, MP3 mono/stereo from 64kbps to 320kbps / Sampling from 16kHz to 48kHz
SYSTEM INTEGRATION	
Multi-source dynamic PA control	Multisources up to 48 (Multicast) (Audio 24 CH + Mic 24 CH) Up to 256 control zones (multicast) or 20 control zones (unicast) Up to 255 groups
VoIP	SIP Features: DTMF (RFC2833) / Codecs: PCMU, PCMA, Speex/8000, Speex/16000
TTS	French / English / German / Spanish / Korean
Event and Preset	Virtual contact, dry contact
Functional monitoring	Connection verification, integrated system logging

IP-1015HS
Network horn speaker

NEW

- All-in-one speaker system
- 10W Class-D amplifier integrated
- PoE/PoE+ support
- Ethernet 10/100 BASE-T (Default IP: 192.168.1.99)
- VoIP, background music, scheduler, TTS

Model	IP-1015HS
LINE OUTPUT	
Maximum audio output	
Frequency response	
THD+N (AES17 LPF)	
S/N (20Hz LPF, A-WTD)	
AMPLIFIER	
Rated output power (8Ω,1kHz sine wave)	3,7W (PoE), 10W (PoE+) @ 5kHz
NETWORK	
Ethernet	10/100 Base-T
Security	Password protection: admin, settings, user, sha-2 guest, digest authentication, user access log
Supported protocols	IPv4, HTTP, SIP, mDNS, DNS, NTP, TCP, UDP, DHCP, ARP, ICMP
STORAGE	
Memory	Internal: 1Go
CONTACT I/O	
Contact Input (1CH)	Dry contact
Contact Output (1CH)	Dry contact (N.O: Normally open)
GENERAL	
Power	PoE (IEEE 802.3af type 1 Class 3) / PoE+ (IEEE 802.3at type 2 Class 4)
Operating temperature / humidity	-35°C ~ +55°C / 10% ~ 100% (no condensing)
Protection	IP66
Dimensions (WxHxD)	250 x 166 x 305mm
Weight	2,4kg
SPEAKER	
Type	Dôme 1"
SPL Max	111dB (PoE: 3.7W) / 114dB (PoE+: 10W)
Bandwidth	310Hz~8kHz
Sensitivity (1W)	104dB
Nominal dispersion	(HxV): 120° x 180° (1kHz) / 40° x 60° (4kHz)
AUDIO	
Built-in microphone	50Hz ~ 16kHz
Audio compression	WAV, MP3 mono/stereo from 64kbps to 320kbps / Sampling from 16kHz to 48kHz
SYSTEM INTEGRATION	
Multi-source dynamic PA control	Multisources up to 48 (Multicast) (Audio 24 CH + Mic 24 CH) Up to 256 control zones (multicast) or 20 control zones (unicast) Up to 255 groups
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IP Speakers System components

IP SYSTEM

RM-N1000
Network Mic station

NEW

- Network bonding support
- Power supply using POE
- STATIC/DHCP support

Model		RM-N1000
MIC	Input sensitivity	-50dBV ±3dB
	Output level	+10dBV ±3dB
	S/N (20kHz LPF, A-WTD)	65dB
	THD (AES17 LPF)	< 0,1%
	Frequency response	100Hz ~ 18kHz
AUX	Input sensitivity	-10dBV ± 3dB
	Output level	0dBV ± 3dB
	S/N (20kHz LPF, A-WTD)	> 75dB
	THD (AES17 LPF)	< 0,1%
	Frequency response	100Hz ~ 18kHz
Network communication		Ethernet 100/1000 Base-T (RJ-45)
Operating temperature		-10°C ~ +40°C
Humidity		10% ~ 85% (Sans condensation)
Power source		24VDC - PoE (IEEE 802.3af type 1 Class 3)
Power consumption		Max 10W
Dimensions (WxHxD)		200 x 73 x 206mm
Weight		1.29kg

Notes

Notes

IP SYSTEM

Qualifications & certifications

Our systems strictly comply with the requirements of European EN 54 and international ISO standards. These certifications, genuine proof of quality and reliability, give you total peace of mind while ultimately guaranteeing the safety of the public concerned.

The EC marking of our products guarantees compliance with the European regulation in terms of safety,health and environmental protection while ensuring their free circulation within the European Union.

Stands for "Restriction of the use of certain Hazardous Substances in electrical and electronic equipment". Our products respect the RoHS European directive (2002/95/EC), the purpose of which is to limit the use of certain heavy metals and other harmful materials.

Our **EN-54** products comply with European safety requirements in terms of fire detection and alarm systems.

EN 54-16 concerns the voice alarm control and indicating equipment.

EN 54-24 concerns the components of voice alarm systems (Loudspeakers).

EN 54-4 concerns the power supply equipment.

Our **ISO 7240** products comply with International safety requirements in terms of fire detection and alarm systems.

ISO 7240-24 concerns the components of voice alarm systems (Loudspeakers).

DANTE is the newest networking standard for audio developed by Audinate. It respects the standard Ethernet standard and is compatible with the future standard AVB. Advantage: high number of channels and multi-format, low latency, native redundancy, automatic network configuration, use of standard Ethernet hardware.

Establishments receiving services from the public shall be such as to enable persons with disabilities to access, circulate and receive information disseminated therein in the areas open to the public. In this context, the installation of a magnetic induction loop amplifier for the hearing impaired Check-out counters, meeting rooms, conference rooms, shows..., is imperative. This does not apply only to E.R.P. but also to the liberal professions and traders.

MAJORCOM is ISO 9001 certified

The ISO 9001:2015 certification of the quality management system demonstrates MAJORCOM's commitment to delivering a quality service and satisfying its customers while constantly improving its quality management systems. The award of an ISO 9001:2015 certificate by a prestigious company like BUREAU VERITAS is proof of high quality and also demonstrates that MAJORCOM complies with the quality management principles recognised at the highest international level.

An export sales network to meet your needs

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MAJORCOM:

Custom-designed sound systems by a
highly involved Design Office, R&D,
Customer Service and Support Functions.

www.majorcom.fr

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