



X-618 Digital Public Address/Voice Alarm System Product Catalogue



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Looking for a highly flexible, enjoyable and creditable integrated public address and voice alarm solution for your new building? Honeywell X-618 Digital Public Address and Voice Alarm System is exactly what you need– the redefined Xcellent Quality, Xpert Design and Xtra Benefits.

X-618 makes a difference

Thanks to Honeywell's ONE Life Safety initiatives, X-618 can make a difference by seamlessly integrating with Honeywell fire alarm systems to form a comprehensive life safety solution that provides the best protection of human lives in all situations. With Honeywell's Advanced System Diagnosis ASD technology, SIM loudspeaker line supervision technology and RiskFree dynamic backup technology, not only can they significantly strengthen the system's robustness but also cut down on costs from early procurement to later maintenance. X-618 also complies with EN54-16, the European Standard for Voice Alarm System.

X-618 improves your work efficiency

X-DCS2000/EN Digital Integrated System Manager integrates all the system functions except amplifier into one and is housed in a 2U classical design. However, the compact size doesn't compensate for its capability to extend unlimitedly via Ethernet. A complete and synchronized audio transmission is achieved by adopting Honeywell's superior SONIC Digital Audio Transmission Technology based on TCP/IP protocol. Further with X-SMART network integrated management solution, users are allowed to improve internal resource utilization and efficiency of operational management. Last but not least, Honeywell's OneClick technology, allows users to pre-set buttons freely on the touch screen according to their preferences.



X-618 lowers your cost

Save more money with technologies. 1. Lower equipment procurement cost by replacing two individual PA and VA systems with one X-618. Furthermore, Honeywell SIM loudspeaker line supervision technology allows the usage of loudspeakers without DC blocking capacitor that is required for traditional VA system. 2. Lower cable cost. By installing the 2-in-1 X-618 system and using the existing Ethernet, material and labor cost can be cut down by up to 50%. Last but not least, X-618 can save you more cabinet space by its compact and light design. 3. Lower maintenance cost. The consequence of system failure can be extremely costly and devastating. Honeywell ASD system diagnosis and RiskFree dynamic backup technologies together ensure high level of system availability in case of any accident. In fact, users can save much more by keeping it working 24/7.

X-618 delivers superior sound quality

Sound quality determined by several key factors, among which the ability of power amplifier has the most concern. X-618 is equipped with X-DA multi-channel digital power amplifier series which is developed based on pro-audio design concepts that enable superior acoustic performance. Featuring industry-leading lower energy consumption level, X-DA series are able to offer wider frequency response range, lower S/N ratio and better sound quality. Moreover, Honeywell's AVC (Auto Volume Control) technology, can adjust the volume automatically according to the ambient noise level to achieve the optimal intelligibility of sound reproduction in any circumstance (HN-D32N noise detector is required).



X-618 upgrades user experience

X-NPMI Configurable Network Paging Console is the first system in the market that offers a 4.3-inch LCD touch screen. The novel appearance, simplified UI, multi-functionality, rich information display and well considered mistake proof design enhance remote control's convenience highlighting human factors of the using experience. To avoid disaster, the OneClick emergency call button can enable faster response to an emergency.

Target Customers for **X-618**

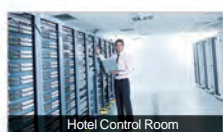
X-618 is the best commercial audio management solution for medium scale building developers who are keen on acoustic excellence, system reliability and total ownership cost saving. Target users include but not limited to international 5-star hotels, premium office buildings, shopping malls, sport stadiums, exhibition halls etc.



Typical applications

The development of urbanization and the improvement of people's living standard turn out a new call for new trends of metropolitan complex – buildings that incorporate at least three of the following functional elements: shopping mall, office, hotel, restaurant, entertainment and public transportation. Such buildings tend to have the following requirements for public address system:

- Large public area (covering over 400,000 m2), a complex consisting of more than one single buildings -- Sub-system in different buildings should be networkable and manageable by a central management software tool.
- Hotels, offices and shopping malls usually coexist -- Comprehensive functional design to meet various needs of different users for different purposes.
- Over 10, 000 people going in and out of the buildings every day-- system should work 24/7 without single point of failure and can assist emergency evacuation with high efficiency.
- Sub-systems located in different control rooms of the buildings -- User can real-time monitor the working status and control the sub-systems in an easy way.
- Considering returns on investment -- save not only on upfront investment, but also total ownership cost.





X-DCS2000/EN

Digital Integrated System Manager

- 8 zones per standalone unit, easily extendable via Ethernet.
- At least 9 audio inputs and 4 audio outputs, built-in automatic volume control according to ambient noise level
- Timing play mode and up to 255 play priorities can be set via software configuration
- Backup amplifier configuration (main + backup): 3+1, 2+1, 1+1, 2+2
- Built-in 1GB flash memory - can store audio files, recordings and error logs
- Can monitor zone broadcastings locally or remotely
- Can interface with fire alarm control panel via 8 dry-contact inputs or MODBUS. Can play 4 alarm tones and user-defined emergency evacuation announcements simultaneously

X-DCS2000/EN, based on Ethernet, is the core unit of X-618 digital PA/VA system. Functions such as audio source storage, network audio receiving, voice playback, audio matrix, volume control, monitoring, error detection, amplifier backup, etc. are all perfectly integrated into the highly 2U compact housing. The patent pending ID design is not only aesthetically attractive but also reduces installation space requirement cable cost.





X-DA Series

High Efficiency Digital Power Amplifier

- Multi-channel Class D digital power amplification technology
- Lightweight design. Front panel is specially made of UL94 V-0 rated ABS material
- SNR greater than 100 dB; nonlinear distortion less than 0.05%
- Provide both balanced and unbalanced audio inputs
- Forced air cooling design adopted for overheat control

X-DA series high efficiency power amplifier is built upon the leading concepts and latest technologies to offer you flexible choices for different applications. The more compact, more stable, more enjoyable and more economical design together offer users a joyful experience.



X-NPMI

Configurable Network Paging Console

- Lightweight and innovative ID patent pending design. Enable desktop flush mount installation
- 4.3" color LCD touch screen. Can display system states, broadcast to 1 zone or a group of zones, and achieve various control via "touch".
- Simple and intuitive user interface design
- Extension, maximum 20 NPM per system, number of function button can be expanded via software without needs of additional keyboard module
- Built-in monitor loudspeakers. Can achieve functions such as zone monitoring and two-way intercom among X-NPMI/ENs
- Digital audio signal processing to avoid sound distortion during transmissions

X-NPMI Configurable network Paging Console connects with X-DCS2000/EN and other X-618 components via Ethernet. Unlike traditional call station, the design of X-NPMI centers on information display, user experience and environmental harmony. From interface design to installation methods, X-NPMI is totally user-oriented.

X-SMART

Integrated System Management Software

- Can load and operate on E-maps. Maps can be displayed in three layers for more details
- Can monitor all the equipments. Can provide faulty alarms and indicate error locations
- Administrator can add/remove user numbers and configure access controls
- Provide interfaces for third-party Text-to-Speech software and translate text inputs into audio playback
- Can play audio sources saved on the server machine in any zone on the system network
- X-SMART PAC, integrated system management software package tailored made for small to mid-size project, is also available

X-SMART integrated system management software is a platform allowing users to optimize internal system resource utilization and manage daily routines more efficiently. It can be customized according to user requirements. The PAC version, designed for small to mid-size project, is a pioneer.



Honeywell Audiovisuals is a strategic business unit of Honeywell Life Safety under global Fortune 500 Honeywell International Inc. Honeywell Audiovisuals is specialized in designing, developing, manufacturing and selling public address and voice alarm systems. Being an expert in acoustic excellence, our mission statement is to provide our customers who need sound and voice propagation a better, safer, and a more efficient public address management system and solution.

As a global leading manufacturer, Honeywell Audiovisuals is always in pursuit of innovations and driven by the most cutting edge technologies. With an experienced team of R&D elites working in world-class laboratories, Honeywell Audiovisuals implements the most efficient operation and strictest quality control system in the industry. Our advanced design concepts focus on networkability, modularization, and user-friendliness. "Empower the Sound" is our promise to create a greater value to our customers around the round.

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The Honeywell logo, consisting of the word "Honeywell" in a bold, red, sans-serif font.