X-618 Digital Public Address and Voice Alarm System

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What is Bothering Our Customers?

- It looked good ten years back, but will be great if it can wear a modern look now.
- The user interface looks scary with numerous buttons, not user friendly, can affect my work.
- Why can’t I pay more for a PA / VA system?
- It can save my life for storage and space.
- I want no casualty in case of a fire, but how can I make sure it is working 24/7?
X-618 Comes to End Your Troubles

Xcellent Quality
Xpert Design
Xtra Benefits
Preface

• X-618 Digital Public Address/Voice Alarm System is a first blockbuster product developed by Honeywell Audiovisuals.
• X-618 provides a comprehensive audio management solution for medium-to-small projects such as 5-star hotels, high rise office buildings, shopping malls, etc. Behind its innovative industrial design lies a powerful technical platform featuring high integration and Ethernet based network.
• X-618 is born to improve work efficiency, reduce total ownership costs, promote safety, enhance acoustic performance and user experience.
Advantages of X-618
The Modern Appearance of X-618

The Perfect Combination of Aesthetics and Functionality
Combination of PA and VA

Multiple FAS interfaces available: dry contacts, RS-485 and Ethernet

A Certified PA/VA Solution
X-618 Raises Work Efficiency

X-DCS2000 integrates various functions such as audio source replay, audio matrix, power matrix, volume control, main/backup amplifier switch and fault diagnosis, etc.

More Compact, More Intelligent, More Flexible
X-618 Saves Your Money

Total ownership cost comparison

Less Equipment, Less Cable, More Safety
X-618 upgrades sound quality

Pro Audio Level Class D Amplifier + AVC Technology
X-618 enhances user experience

More Intuitive, More Interactive and More Powerful
X-618 system components
X-618 System Diagram

A Digital PA/VA System Based on Ethernet
X-618 System Components

X-DCS2000/EN

Digital Integrated System Manager
X-DCS2000/EN

- 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.
- Timer play mode and up to 255 audio priorities can be set via software configuration.
- Backup amplifier configuration (amp + backup): 3+1, 2+1, 1+1, 2+2.
- Built-in 1GB solid state memory - can store audio files, recordings and error logs.
- Can monitor zone broadcasts locally or remotely.
- Can interface with fire alarm panel via MODBUS and dry contacts.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>System diagnosis &amp; line supervision</td>
<td>SONIC VoIP audio transmission</td>
</tr>
<tr>
<td>9 in /4 out audio matrix</td>
<td>Auto volume control</td>
</tr>
<tr>
<td>1G Flash audio memory</td>
<td>Multi-mode amplifier backup</td>
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<tr>
<td>255 broadcasting Priority levels</td>
<td>Remote and local monitoring</td>
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X-618 System Components

X-DA Series

High Efficiency Power Amplifier
## X-DA Series

<table>
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<tr>
<th>Lightweight</th>
<th>Multi-channel s</th>
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<tr>
<td>High S/N</td>
<td>Low nonlinear distortion</td>
</tr>
<tr>
<td>Balanced or unbalanced audio input</td>
<td>Self-test function</td>
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<tr>
<td>Auto-resettable fault isolation</td>
<td>Forced air-cooling</td>
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- Multi-channel Class D amplifier: 2x250W, 1x500W, 4x125W.
- UL94V-0 S/N up to 105 dB with nonlinear distortion lower than 0.05%.
- Automatically resettable over current, overloading, overheating, overvoltage, under voltage and DC protections.
- The DA is cooled through forced air-cooling.
- Main power supply voltage: AC 220V.
- Backup power supply voltage: AC 220V UPS power supply.
X-618 System Components

X-NPMI

Configurable Network Paging Console
X-NPMI

- Novel design, supporting desktop flush mount installation.
- 4.3” color LCD touch screen, can display system status, broadcast to zone and group, and achieve various control via “Touch”.
- Simple and intuitive user interface.
- Ethernet-based extension, maximum 20 NPM per system, No. of function button can be expanded via software without needs of additional keyboard module
- Built-in loudspeaker to enable broadcast monitoring and intercom
- Digital signal processing to ensure high quality voice transmission.
- Communication among NPM is not affected by X-DCS2000/EN failure.
X-618 System Components

X-SMART

System Management Software
X-SMART

- X-SMART includes a server X-SP2000, client interface X-ST2000 and X-SMART PAC SPT900 for medium to small size project.
- 1 X-SP2000 can connect with up to 250 X-ST2000.
- Administrator can decide No. of users and define user authorities freely.
- Can upload e-map and display 3 levels of breakdown for a straight view and more details.
- Can display all equipment status and indicate fault alarm location.
- Can record and read history operation and fault logs.
- Support Text-to-Speech (TTS) function.
- Audio files stored on the server can be played in any zone on the system network.
- Auto data redundant backup.

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<tr>
<th>X-SMART PAC</th>
<th>E-map</th>
<th>Status monitoring</th>
<th>Log query</th>
<th>TTS</th>
<th>Audio Source sharing</th>
</tr>
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</table>
X-618 Specification Highlights

• Provides minimum 8 zones per X-DCS2000/EN, and can be extended up to 2000 zones through Ethernet
• Provides at least 9 audio inputs (including network audio source) and 4 audio outputs, supports automatic volume control according to the environmental noise level.
• 255 audio priority levels can be set freely.
• Multiple backup power amplifier modes: 3 Main/1 Backup, 2 Main/1 Backup, 1 Main/1 Backup, 2 Main/2 Backup.
• Contains 1GB of built-in flash memory that can store recorded voice message so as to fulfill functions such as voice information broadcasting and voice synthesis.
• Monitors remote and local zone play.
• Can supervise all the zones and send real time alarm when there is any fault existing in speaker line. The system will automatically isolate the zone affected by short circuits and open circuits.
• Power amplifier can realize automatic re-settable over current, overload, overheating, overvoltage, undervoltage and DC protection
X-618 Specification Highlights

- Can interface with fire alarm panel via MODBUS
- 4.3-inch full color LCD touch screen, can display system status, broadcast to zone and group, and achieve various control via “Touch”.
- Built-in loudspeaker to enable broadcast monitoring and intercom
- Can upload e-map and display 3 levels of breakdown for a straight view and more details
- Can display all equipment status and indicate fault alarm location.
- Administrator can decide No. of users and define user authorities freely.
- Support Text-to-Speech (TTS) function
- Communication among NPM is not affected by X-DCS2000/EN failure.
Application of X-618
X-618 typical applications

- 5-Star Hotels
- Office Buildings
- Shopping Centers
- Factories
- Stadiums & Exhibitions
- Hospitals & Schools
IT’S TIME TO CHANGE!

Thanks!