



Solutions Brochure

# The Role of Voice Alarm

Voice Alarm is increasingly important in the safe management of buildings.

A voice message informs occupants exactly what to do in an emergency and it is a long established fact that people respond more quickly and are more likely to take the correct action during an evacuation if voice messages are used instead of tone sounders.

## Benefits

- Clear directions to people in the building
- Live messages giving exact instructions to people who are not familiar with the surroundings
- Customised pre-recorded messages (available in multiple languages)
- Improved management of phased evacuation
- Non-emergency functionality (public address announcements, background music and advertisements)



Voice Alarm System



Offices



Shopping Centres



## Public Address

Voice Alarm systems are not only used for public buildings with a high number of visitors, but are also used more and more for public address and entertainment systems.

Types of buildings that benefit from both Voice Alarm and Public Address:

- Airport / bus stations
- Hotels
- Medical Centres
- Schools
- Offices
- Shopping Centres
- Stadiums
- Theatres



Airports



Hotels



Schools



# Voice Alarm Made Simple

Selecting, designing and commissioning a VA/PA system can be complicated. At Honeywell we have a team of experts that will help you build the most suitable system for your building.

The first step is to decide exactly what type of VA/PA system you'll need. This will largely depend on the size and complexity of your building.

The following three types of systems are available that start from small 'Stand Alone' packages suitable for single storey buildings such as shops and offices and move up to custom made 'Networked Systems' that will consist of a number of systems linked together for large structures such as exhibition halls and airports.

## Key Features

- Control and Indicating Equipment Certified to EN54 Part 16
- Complete range of EN54-24 certified loudspeakers
- Flexible systems that supports both simple and the most complex communication needs
- High quality digital audio
- Touchscreen Graphical User Interface that manages the entire system
- Dedicated Honeywell design and project support

# Stand Alone

An easy-to-install VA/PA solution.  
Suitable for small to medium buildings.

## Applications

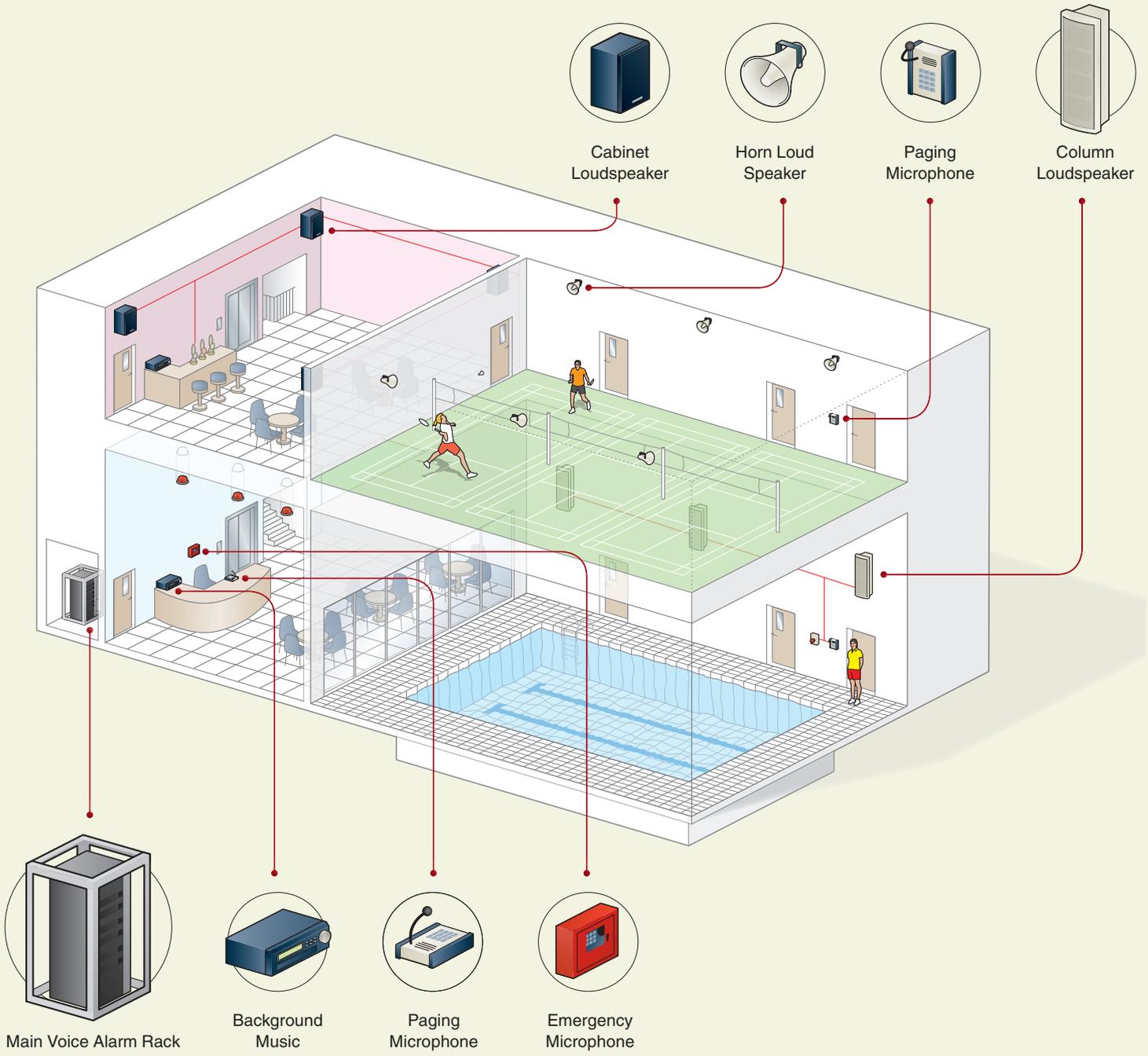
- Leisure complexes
- Schools
- Small hotels
- Theatres
- Offices

## Benefits

- 'Off the Shelf' Package
- Easy to install
- Small and compact
- Ensured compliance to BS/EN standards

Leisure complexes





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HONEYWELL VOICE ALARM SOLUTIONS



Schools

Small Hotels

Theatres

Offices

# Custom Made

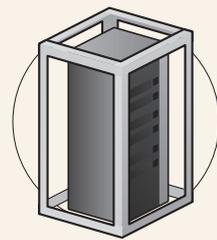
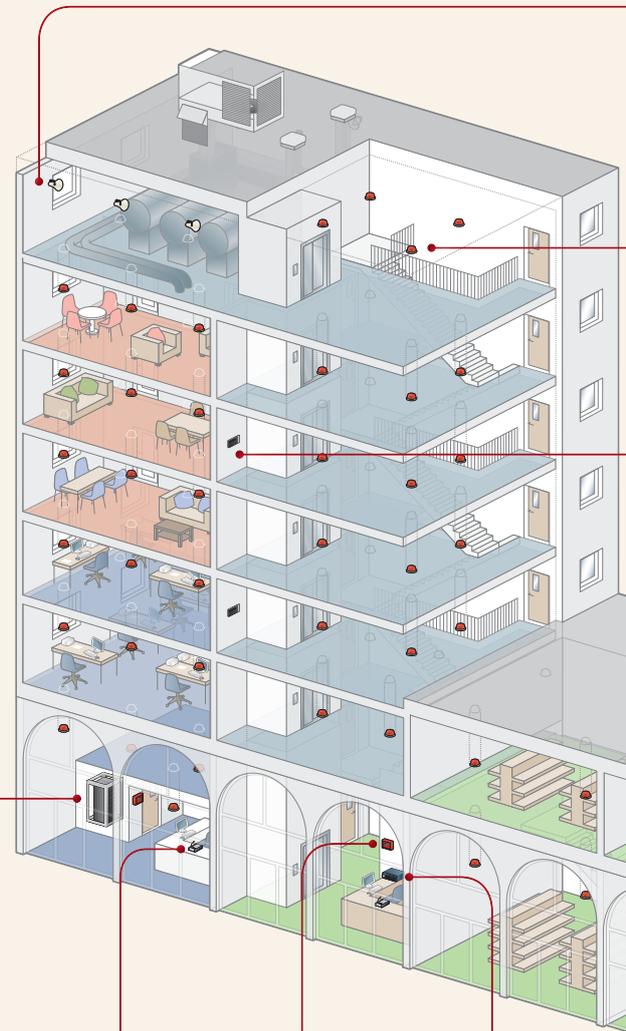
Need an advanced VA/PA solution for your building?  
Our custom made rack systems cater for all types of buildings. Suitable for medium to large sites.

## Applications

- Shopping centres
- Stadia
- Transport hubs
- Large office complexes

## Benefits

- System capable of supporting a large number of evacuation and/or paging zones
- Capable of managing complicated evacuation strategies in the event of an emergency
- Ability to prioritise multiple audio inputs and outputs (Microphones, background music etc..)
- Ensured compliance to BS/EN standards



Main Voice Alarm Rack



Paging Microphone



Emergency Microphones



Background Music



Shopping centres



Stadia

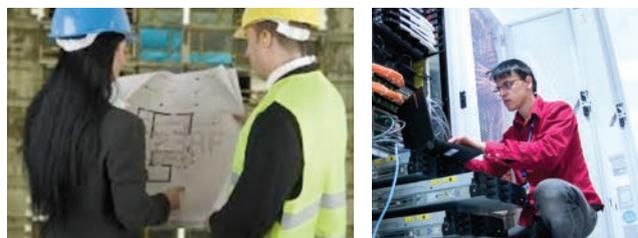
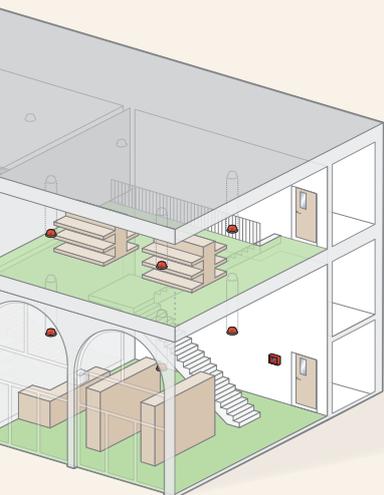
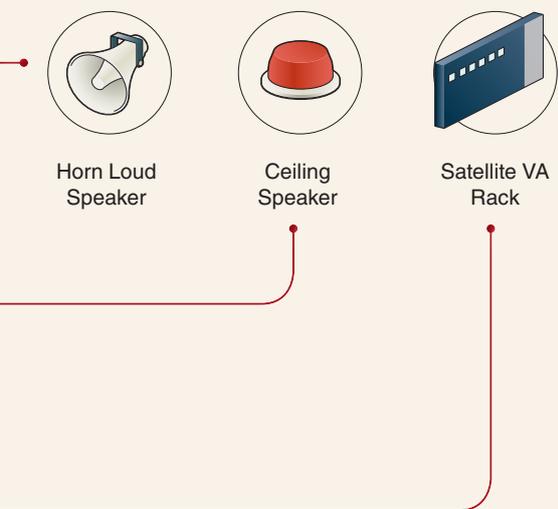


Transport hubs

## Support

Our dedicated Design Support Services Team will be on hand ensuring you always have access to specialists in Voice Alarm design and installation offering:

- System design service
- Acoustic design support and modeling (where required)
- Loudspeaker layouts
- Design solution – cost effective design for the application of systems
- Rack build
- Commissioning support
- Factory acceptance testing
- Training
- Technical support
- Continual Professional Development support available



Large office complexes



## Customised Control

The PAMMI (Public Announcement Man Machine Interface) software provides connection and control of the Honeywell Voice Alarm System via a graphical user interface on a Microsoft Windows® based personal computer.

### Key Features

- Full-screen application, may be operated with touch screen
- Graphic display (e.g. building layout)
- Zone scheme with selection and status
- Recording, prior listening and discarding of announcements
- Simultaneous playback of prerecorded audio messages
- Scheduler function for automatically controlled audio messages
- System status indication and logging

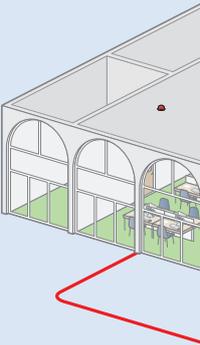


## Scalable

Our VA/PA systems can be networked together to deliver the most comprehensive and powerful solution for a wide range of applications. Suitable for large and complex sites.

### Applications

- Universities
- Airports and Transport hubs
- Exhibition halls
- Shopping centres
- Large Office buildings

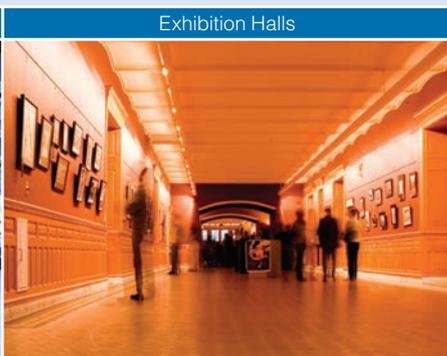
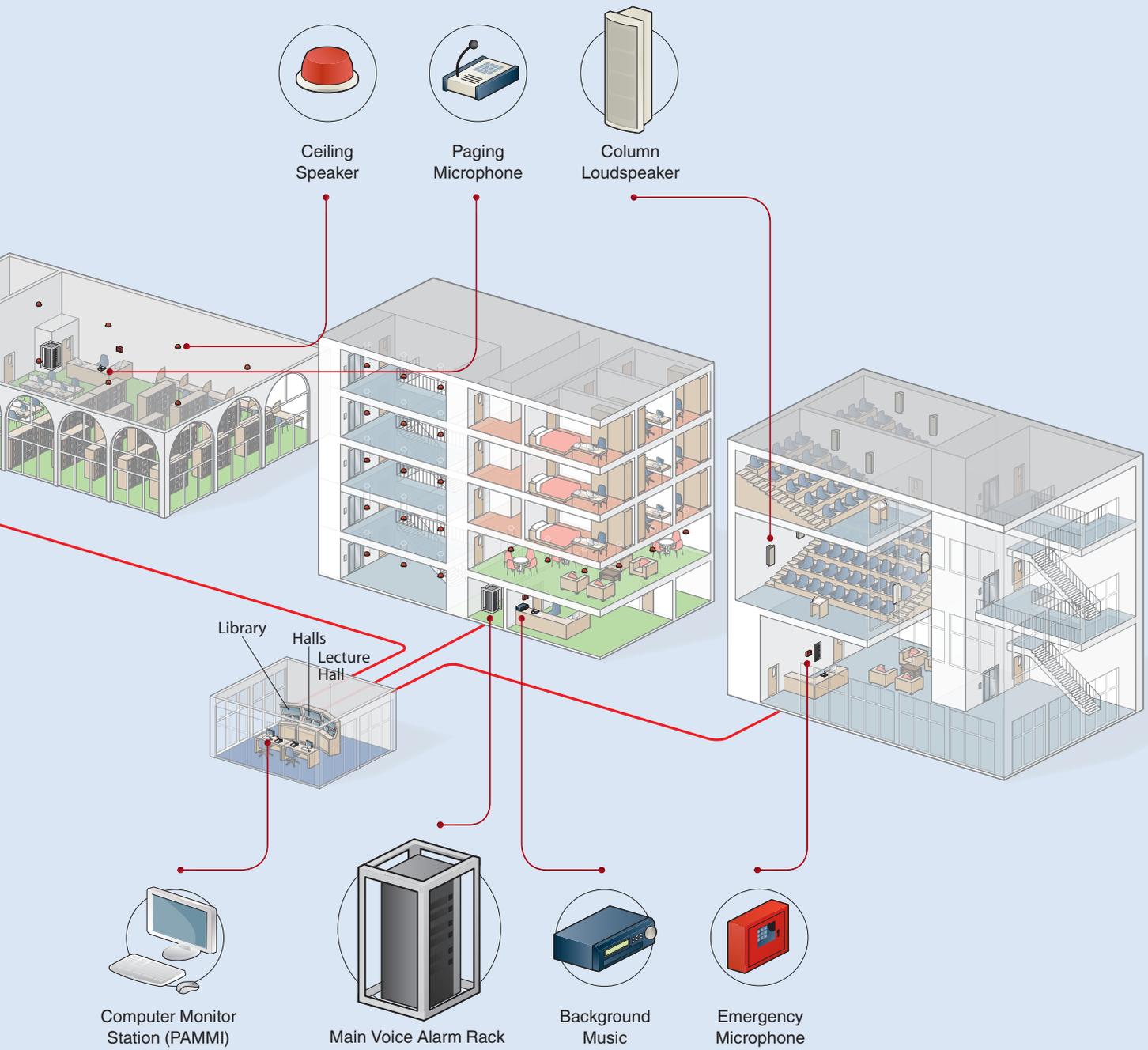


### Benefits

- High bandwidth for large sites
- Scalability and modular to adapt to constant changes and demands
- IP connectivity to link multiple sites to 1 control or command centre
- All system sizes network ready

#### Universities



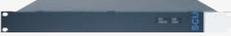


# Product Range

The products that make up the Honeywell Voice Alarm System are listed below and our dedicated Design Support Services Team is always on hand to ensure you have access to specialist knowledge on our comprehensive Voice Alarm and Loud Speaker range.



# System Components

 <p><b>Comprio</b> Comprio is a voice alarm system that's optimised for small and medium-size facilities such as schools, hotels, leisure centres and offices. It's characterised by its compact design, wide performance range and its flexibility.</p>	 <p><b>Emergency Microphones</b> Emergency Microphone used to select and broadcast preprogrammed alarm messages and live voice announcements during emergency situations.</p>
 <p><b>Digital Output Module (DOM)</b> The Digital Output Module (DOM) is the heart of the Honeywell Voice Alarm and Public Address system. Managing either 8 or 24 zones the DOM routes up to 4 channels of audio via amplifiers to any individual zone or groups of zones.</p>	 <p><b>Visual Control Module (VCM)</b> The VCM enables the standardised display of messages and has a 5-button operator control panel. At least one VCM is required for EN54-16 systems.</p>
 <p><b>Class D Power Amplifiers</b> Combining the latest in digital audio technology with the integrity necessary for emergency Voice Alarm systems to satisfy the requirements of EN54 part 16.</p>	 <p><b>Universal Interface Module (UIM)</b> Interface module enables audio or control connection to third party systems such as CD players, security systems and other PA/VA or building management control systems.</p>
 <p><b>Direct Drive Power Amplifier</b> 4-channel Direct Drive Amplifier rack mountable amplifier unit providing a 4 x 125W power outputs, with integral battery charger.</p>	 <p><b>System Communication Unit (SCU)</b> The System Communication Unit (SCU) serves as a digital audio memory source able to simultaneously record and play back multiple audio data streams.</p>
 <p><b>Paging Microphone</b> The paging microphone DCS15 (and expansion module, DKM18) allows for the selection of loudspeaker zones, and the transmission of voice announcements.</p>	 <p><b>PAMMI Public Announcement User Interface</b> The PAMMI software provides connection and control of the Honeywell Voice Alarm System via a graphical user interface on a Microsoft Windows® based PC.</p>



## Loudspeakers

### Time Control Module (TCM)



The Time Control Module ensures time synchronization via GPS signal. Ideal for exact timing of automated announcements, timed volume adjustments or the exact documentation of system events.

### Contact Interface Module



Interface module providing 8 control contacts which can be configured as either inputs or outputs enabling the system to be controlled externally and to provide system status information and cause and effect control/management.

### Loop Technology



The Honeywell VA loop is a new technology for optimising the reliability of the loudspeaker connection using an open and short-circuit-resistant loop is monitored by loop isolation modules.

6 watt Ceiling Loudspeaker 5"      6 watt Ceiling Loudspeaker 6.5"



### Honeywell 5 and 6.5 inch Ceiling Loudspeaker

5" and 6.5" ceiling loudspeaker designed for flush mount in suspended ceiling and ideal for even sound distribution.

### Honeywell 6W Cabinet Loudspeaker



6W voice alarm cabinet loudspeaker.

10W Unidirectional Projection Loudspeaker      10W Unidirectional Projection Loudspeaker



### Honeywell 10W and 20W Unidirectional projection Loudspeaker

10W and 20W unidirectional projection loudspeaker.

### Honeywell 20W Bidirectional Loudspeaker



20W bidirectional projection loudspeaker.

20W Column Loudspeaker      40W Column Loudspeaker



### Honeywell 20W and 40W Column Loudspeaker

20W column loudspeaker. 40W column loudspeaker.

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