Interactive PA Systems

IP-PA the smart way

Inform, respond, intervene

Multi-functional IP PA that expands your scope of interaction

Commend IP PA makes it easy to add security and create a pleasant atmosphere in any building. The loudspeakers are ideally suited for making announcements and warnings, broadcasting background music and advertisements and, most importantly, staying in touch with your customers. Thanks to their integrated microphones, Commend IP Loudspeakers double as regular Intercom stations for two-way communication and provide useful functions such as Audio Monitoring and IVC (Intelligent Volume Control).

Loudspeakers that can turn up their own volume when things get loud.

Commend IP Loudspeakers with integrate microphone provide IVC (Intelligent Volume Control), which automatically adjusts the volume setting to ambient noise levels, even while playing back pre-recorded audio.

Setting up acoustic signposts or warning messages in the building.

A self-sustained Commend IP Loudspeaker with motion sensor is triggered automatically and plays back a pre-recorded announcement on its own (independent of any server connection).

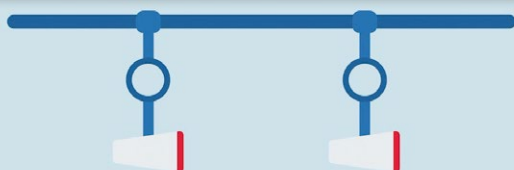Loudspeakers that reliably report any disturbance or acoustic change.

Audio Monitoring via IP Loudspeakers enables permanent acoustic monitoring of rooms or technical equipment, with sound-triggered control desk notification and support of proactive intervention.

Visualize and manage the PA and Security system on a single PC screen.

Commend Studio Control Desk Management with integrated voice, video and control functions supports any kind of control desk function, such as automatic locating, comprehensive action sequences, automatic recording, and proactive intervention by addressing persons directly.

Intercom over IP offers Public Address with special functions

IP PA solutions by Commend are designed to make life easy for operators. They provide innovative ways of transmitting security-related information over loudspeakers – bi-directionally. After all, IP Loudspeakers by COMMEND are not just perfect 'speakers' designed to broadcast your announcements loudly and clearly – they are also 'active listeners' and 'diligent assistants' when it comes to reliable ambient communication.

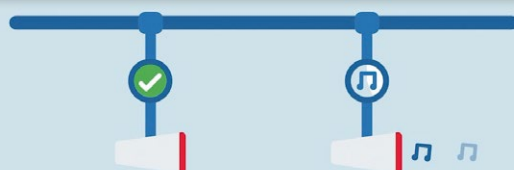## Simple and individual addressing over IP

192.168.1.202   192.168.1.203

Each loudspeaker can be addressed and configured individually. Power supply via PoE (Power over Ethernet) – only one Ethernet cable.
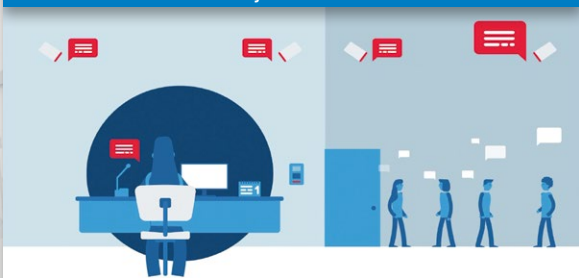
Highest Availability

192.168.1.202   192.168.1.203

Permanent end-to-end monitoring of connection and loudspeaker functionality.

Automatic Volume Adjustment

The integrated microphone provides additional functions, e.g. IVC (Intelligent Volume Control), which automatically adjusts the volume setting to ambient noise levels, even while playing back pre-recorded audio.

All important Information at a glance

AUDIO DETECTION
ACTIVE

Automatic switching between plans, flashing on-screen items, zooming, notification sounds and display of overviews in status windows help operators to focus their attention on important events.

Intercom Station versions to meet individual requirements

COMMEND

IP-based Loudspeakers

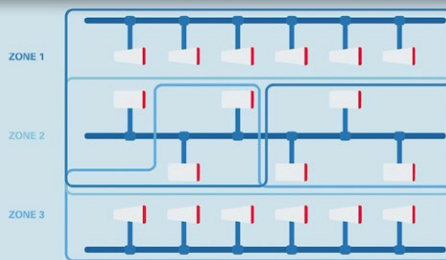|		
IoIP / SIP	IoIP / SIP	IoIP / SIP
AFLS 10H HG	AFLS 10H PW	AFLS 10H CW

– Direct call and call response function via integrated microphone
– IVC (Intelligent Volume Control) automatically adjusts the Intercom Station's volume setting to the ambient noise level
– Built-in inputs/outputs, e. g. for monitoring of, or controlling associated third-party systems and triggering pre-defined actions
– End-to-end monitoring of connection and loudspeaker functionality
– Each loudspeaker can be addressed and configured individually
– High volume capacity and superior speech quality, thanks to integrated 10 Watt Class-D amplifier
– No need for central amplifiers – ideally suited also for small-sized and remote PA zones
– Loudspeakers can be allocated to groups and zones without modifying the hardware or wiring
– Fully forward compatible (unlike classic PA systems), as new functions can easily be added via software download

Flexible allocation to groups and zones

ZONE 1

ZONE 2

ZONE 3

Loudspeakers can be allocated to groups and zones without modifying the hardware or wiring.

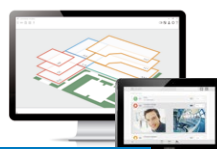## IP-based Audio Amplifiers

AF 50	AF 20

– 20 Watts / 50 Watts output power
– Low-impedance audio output, 4 ohms min. impedance
– 70V/100V audio output with loudspeaker line monitoring (Series AF 50 only)
– Class D high-efficiency amplifier with low thermal footprint
– Short-circuit and overrange protected
– Suitable for decentralised on-site use
– Line self-monitoring between amplifier and Intercom Server

Smooth performance of pre-defined processes

Commend Studio provides best support based on interactive user interfaces, integrated reporting and recording or running pre-defined events on a defineable time schedule.

IP-based Control Desk Management

Commend Studio	Software Intercom Client	EE 972AS

Commend Studio visualisation software package
– Solution-specific instructions and information shown on a well-structured user interface
– Integration support for a unlimited number of surveillance sites
– Call buttons for additional Intercom or telephone contacts
– Playback of pre-recorded warning messages or live announcements at a click of the mouse

Software Intercom Client for mobile devices
– Instant control of Intercom functionality the way you're used to – Basic module, video module and direct dialling buttons conform to the hardware design of Commend's range of classic desktop stations.
– Use the ergonomically designed default layout or build your own custom solutions to suit your individual needs.

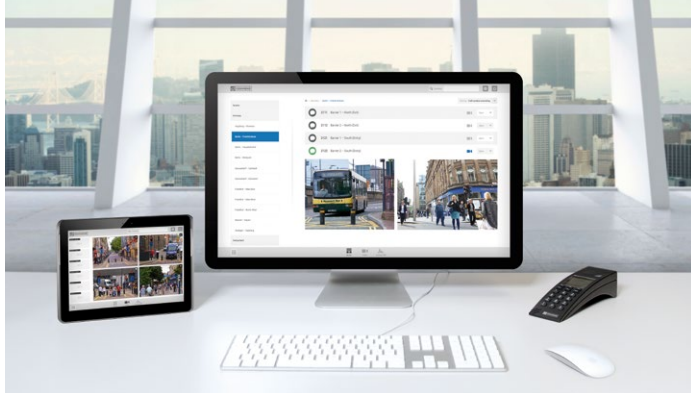**Master station for clear announcements**
– Desk station with gooseneck microphone, illuminated LCD graphic display, standard keypad and six function keys.

Solutions for sound statements over IP loudspeakers
The communication platform for interactive PA systems

With a product portfolio ranging from specially developed PA loudspeakers to high-performance amplifiers, Series IP PA devices bring together powerful electro-acoustics with feature-rich security communication to provide solutions with built-in added value. Applications range from announcements, music feeds and commercial messages to warning and alarm support, and many more.

Secure communication systems by Commend

Can you imagine a system that millions of people rely on every day, where every word has to count? This is the world of Commend! Secure, reliable communication is our passion.

As global market leader with over 40 years' experience in developing voice technology, we not only bring together audio and video and manage interfaces to third-party equipment but now offer IP-PA products that create many new possibilities for integrated, interactive PA solutions. Commend is the natural choice for hands-free voice communication sytems all over the world.

Real life still makes for the best stories

How do Commend solutions cope with the tough real-life communication and security challenges at thousands of locations all over the world? We maintain a dense distribution and service network to provide support to our system partners, planners and customers all over the world.

Your local contact will be happy to answer any further questions you may have regarding individual solutions.

Quality tested. Reliable. Smart.

COMMEND products are developed and manufactured by Commend International in Salzburg, Austria.

The development and manufacturing processes are certified in accordance with **EN ISO 9001:2008**

AUSTRIA

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A strong worldwide network.

COMMEND is represented the world over by local Commend Partners and helps to improve security and communication with tailored Intercom solutions.

www.commend.com

The ORIGINAL **OpenDuplex®**
Natural Communication

Natural Communication

16 kHz
eHD Voice

Audio Bandwidth

High Volume

Background Noise Suppression

Loudspeaker-to-Microphone Monitoring

Loudspeaker Line Monitoring

Induction loop modules