

## AUDIOCOM



## Multi Audio Engine AUDIOCOM

Audiocom is a PC-based speech storage and recorder software. Audiocom is the professional solution for transmission of information, the alarming requirements with predefined tones and speech messages as well as conversation logging / conversation documentation, which is impossible to do without in today's communication and security systems. The spoken message is in most cases the easiest

and most effective way, to transmit information. With Audiocom all these tasks are handled with one reliable and flexible system, that has been especially designed for integration of Intercom Servers and PA-systems. Due to the modular construction and the control via software, Audiocom can optimally be adapted to customer requirements.

### 1. Audiocom Software

Audiocom Software on CD incl. software key (Dongle). Depending on the required functionality different software keys for licencing of Audiocom are available (see "Software Keys" on page 4).

### 2. ST 801 Audio-Interface

Audio-interface for optimizing the frequency range, floating connection to a channel (IN & OUT) at a intercom subscriber (standard ABCD) in analogue 4-wire technology.

### 3. Audiocom Compact Server

All Audiocom servers are delivered with the current Audiocom version preinstalled. The functionality is defined by the key being used (software key). In standard the server runs without keyboard, mouse or monitor. The configuration is done via the network interface with a Remote-Desktop program (VNC) and a cross-link cable.

Available types:

- AS-C02 - Audiocom Compact Server with 2 channels
- AS-C08 - Audiocom Compact Server with 8 channels



COMMEND  
SECURITY AND COMMUNICATION

# Technical Data – Benefits

## SYSTEM REQUIREMENTS

As a rule, every PC can be used as an Audiocom Server as long as it fulfils the following requirements.

However it is recommended to use the preconfigured Audiocom Compact Server, available with 2 or 8 channels, see "Extent of Supply".

### Audiocom Server

ATTENTION: It is recommended to use the PC for Audiocom only. If other CPU-time intensive programs are running at the same time, delay and jitter may occur during recording and playback.

#### Hardware:

- IBM-compatible PC
- 256 MB RAM
- 20 MB available hard disk space
- Network card
- Serial interface
- USB-interface for software-key
- Min. 10 MB available hard disk space for the program (of which ca. 3 MB are for WAV-files)
- Required hard disk space for recording of conversations: approx. 80 MB per channel/hour
- On-board sound card (Soundblaster compatible)
- Up to 8 channels: processor VIA C3 min. 667 MHz
- Up to 16 channels: processor P4 min. 1.7 GHz
- Up to 32 channels: processor P4 min. 2.66 GHz
- Operating System:
- Windows 2000 with SP3 or XP Professional with SP2
- Windows 98SE for demonstration purposes only

### Workstation for Playback of Recordings

#### Hardware:

- IBM-compatible PC
- 256 MB RAM
- 1 MB available hard disk space
- Network card
- On-board sound card (Soundblaster compatible)
- Speakers
- Processor min VIA C3 with 667 MHz
- Operating System:
- Windows 98SE, 2000 with SP3 or XP with SP2

### Network

For playback of recordings at workstations access on an Audiocom PC in the network is required. Access to drive C: of the Audiocom server must be carried out with a drive letter at the Remote-PC.

## BENEFITS

- Alarm & information announcements
- Recording of individual alarm announcements
- Call triggering with confirmation
- Calm down message – Waiting information
- Voice-Mailbox
- Recording functionality for conversations, All Calls and conferences
- 100% protection against feedback for All Calls and Group Calls
- Optical & acoustic Group-Calls: Optical Group Call (light-call) with lamp-codes
- Wizard: Assistant for adjusting microphone and loudspeaker
- Logging functionality (Trace) of the RS232 interface (all data to and from the central)
- ALIVE functionality: a failure of the Audiocom Servers is indicated in the central (input message)
- Additional functionalities are easy to create with special Com-scripts

## EXTENT OF SUPPLY

### AS-C02

Audiocom Compact Server with 2 channels, incl.:

- PC with mains adapter
- RS 232-cable
- 2 audio cables
- 1 Cross-link cable 3 m (9.8 ft)
- Licence Windows XP Home (Downgrade 2000 Multilanguage)
- Short reference

### AS-C08

Audiocom Compact Server with 8 channels. Extent of supply like AS-C02, plus additionally:

- Sound card MARC-8 (8 channels)
- Breakout cable (16 CINCH sockets for 8 channels IN/OUT)
- ST-801
- Interface for 1 channel -> ABCD of a subscriber card, incl.:
- Interface
- 3 m (9.8 ft) subscriber connection cable to the central
- Audio cable
- Self-adhesive mounting tape
- Short reference

Audiocom Software: Depending on the required functionality different software keys for licencing of Audiocom are available, which have to be ordered separately (see "Software Keys" on page 4).



# Features

## FUNCTIONALITY

The functionality of Audiocom is defined by the used "Comscripts" (see "Features" on page 5).

Depending on the software key used certain Comscripts for the defined number of channels can be configured.

Some are "Freeware" Comscripts which will work without key (Dongle) without limitations and Comscripts which will work without limitations with the designated key only (see table "Comscripts").

## SOFTWARE KEYS

AUDIOCOM-M32	32 channels, messages & recording
AUDIOCOM-ML4	4 channels, messages, recording & speech-logging
AUDIOCOM-ML8	8 channels, messages, recording & speech-logging
AUDIOCOM-ML16	16 channels, messages, recording & speech-logging
AUDIOCOM-ML32	32 channels, messages, recording & speech-logging
AUDIOCOM-B2	2 channels, feature package see table "Comscripts"
AUDIOCOM-C4	4 channels, feature package see table "Comscripts"

## COMSCRIPTS

The number next to the letter indicates, are supported by the respective key (M32 = 32 channels).

Keys without number support all channels in the system. the number below the key is the key-number, which is shown in the software for identification.

AUDIOCOM	Description	FREE	Demo	M32 1001	ML4 1002	ML8 1003	ML16 1004	ML32 1005	B2 2002	C4 2003
CS0001.DLL	Playback of messages with priorities		X	X	X	X	X	X		
CS0002.DLL	Protection of feedback for group calls		X	X	X	X	X	X		
CS0003.DLL	Voice mailbox		X	X	X	X	X	X		
CS0004.DLL	Recording of Group Calls or alarm texts		X	X	X	X	X	X		
CS0018a.DLL	Group Calls with lamps - chime and contacts		X	X	X	X	X	X	X	X
CS0018b.DLL	Group Calls with lamps - waiting signal		X	X	X	X	X	X	X	X
CS0020.DLL	Call initiation with acknowledgement		X	X	X	X	X	X	X	X
CS0021.DLL	Waiting information	X	X	X	X	X	X	X	X	X
CS0022.DLL	Wizard	X	X	X	X	X	X	X	X	X
CS0023.DLL	Alive Message	X	X	X	X	X	X	X	X	X
CS0101.DLL	Logger conversation & conference		X		X	X	X	X		



## Features

### CS0001 – PLAYBACK OF MESSAGES WITH PRIORITIES

Creation of messages from a combination of different WAV-files (sounds and voice)

Start of a message (sequence) with V24-strings from a GE 700, GE 200 or GE 100 Communication Server (inputs, outputs, keystrokes, etc.)

Playing of the messages on individual Intercom Stations or groups of Intercom Stations (e.g. for alarm messages)

A message can consist of several parts: start message, repeated message, stop message

Different priorities per message

On one channel different messages can be played for different groups

Messages are played one after the other if more than one are to be played

End of message can be automatic or by hand.

### CS0002 – PROTECTION OF FEEDBACK FOR GROUP CALLS

100% protection against feedback for All Calls and Group Calls, even without noise-cancelling microphone or with the microphone close to the loudspeaker

Recording of All Calls on hard disk, playback of All Calls or Group Calls without feedback

Operation as usual, including answering "Comscripts").

### CS0003 - VOICE MAILBOX

Standard absence message per intercom station, recording of an individual absence message per Intercom Station

Automatic recording of voicemail messages

Several access channels are possible (max. 32)

Re-Call Request to indicate new messages

Control function when listening to the recorded messages (pause, skip forward, skip back, etc.)

Automatic deleting of heard and saved messages with different predefined times

### CS0004 – RECORDING GROUP CALLS, ALARM TEXTS

Recording of Group Calls for listening to later on at the stations

Recording of individual alarm texts via intercom stations

Start of the message (e.g. gong & alarm text) automatic or manual (playback with CS0001)

### CS0018 – GROUP CALLS WITH LAMPS

Optical Group Call (light-call) with lamp codes

One colour code per person

Audible indication with a special message (e.g. gong), with a code a conversation with the searching person can be built up

### CS0020 - CALL INITIATION WITH ACKNOWLEDGEMENT

Reduces false initiation to a minimum

When a button is pressed for instance the following message is played: "You have initiated a call, please confirm by pushing the button once again"

When the button is pressed a second time within a certain time the call request is initiated

### CS0021 - WAITING INFORMATION

Calm down messages e.g. "Please wait while you are being connected to the helpdesk" can be played via "6T" subscriber or the music input

The message is started at the first call request or is permanently played back

### CS0022 – WIZARD

Assistent to adjust microphone and loudspeaker

Playback of a message for adjustment of the loudspeaker, recording with subsequent playback for adjustment of the microphone

### CS0023 – ALIVE MESSAGE

ALIVE functionality: Malfunction of the Audiocom server is indicated in the central (input message)

### CS0101 – RECORDING OF CONVERSATIONS

Required hardware upon inquiry!

Recording of conversations, All Calls and conferences

Recording to ring storage/alarm storage, ring storage is deleted after a predefined time

Compression of speech on the hard disk

Recording is level-activated and/or started with COMWIN messages

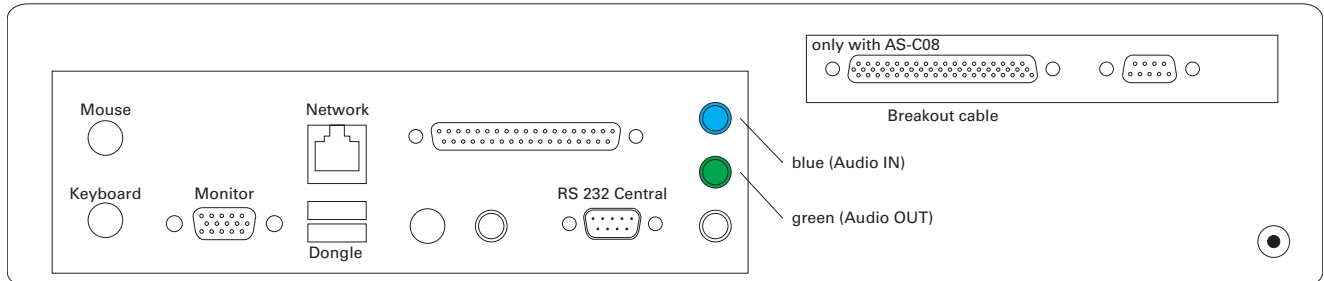
Documentation of date, time, channel, length of conversation and intercom station calling/called controlled with COMWIN messages

Playback of recordings via network with the "Audiocom Player"



# Installation

## AUDIOCOM COMPACT SERVER AS-C02, AS-C08



### FEED IN - ONE CHANNEL

A single channel can be fed in as follows:

Via music input: connect OUT of the Audiocom Server to the music input.

Via AB of the first subscriber of a G1-GET-4D/G2-GET-4D/ G7-GET-4D with 0dB at 600 Ohm (activate switch on subscriber card, see installation manual "GE 100", "GE 200" or "GE 700"):

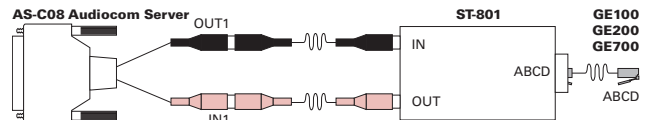
- Connect OUT of the Audiocom Server to A and B

For recording (e.g. for Protection of feedback for Group Calls, Voicemailbox or Recording of alarm texts) an interface ST-801 is required in any case.

### FEED IN - MULTIPLE CHANNELS WITH INTERFACE ST-801

For each channel an interface ST-801 is required. The interface can be connected to any subscriber of a G1-GET-4D/G2-GET-4D/ G7-GET-4D (not only to the first subscriber - do not activate switch on subscriber card).

Example: channel 1 via breakout cable with AS-C08:



Example: 2 channels with AS-C02:

