

Desk/Wall Master Station with Display **AA960**

Data Sheet


General Description

Although only the size and weight of a conventional telephone handset, the AA960, cast in ABS plastic, combines all the essential functions needed for efficient internal communication in one compact unit: loudspeaking handsfree, softspeaking confidential and total privacy. In addition, the 8-character alphanumeric display, scrollable through 4 windows to allow for messages up to 32 characters, contains a variety of user information, such as volume status, microphone mute status and softspeaking status. Furthermore, scrolling the display when the station is in not in use, it allows the user to choose between the following information in the display:

- a) the station's call number,
- b) the station's programmed ID text (f.inst. room number, name of the user, etc.) or
- c) the time clock showing 12 or 24 hour indication.

The AA960 is designed for desk use or wall mounting, using the neat wallbracket (GF933).

On the desk, or on the wall, it permits the user to converse with the caller, handsfree, from anywhere in the room.

When the station should be used in the confidential mode, the user presses the softspeaking/confidential key () and lifts the station to the ear.


For total privacy, the user can dial a feature code. The display shows «*PRIVACY*» and the station's LED is lit orange. Any incoming call is blocked, but is announced by a tone, as well as the caller's station number or caller's ID text in the display, giving the privacy user the option to accept the call by pressing the "0" button.


Even if the station is in privacy, the user may make calls without cancelling the privacy setting.

Various alternative forms of privacy are also available, programmable on an individual basis to any user.

The keypad of the AA960 has full international standards, including the * and # buttons.

 to scroll the display windows up or down.

 to increase or decrease the volume

 softspeaking/confidential key

M microphone mute key, allowing the user to cut of the unit's microphone during a conversation without cancelling the call. Releasing the key returns the station to normal duplex function.

F function key, allows for easy access to various preprogrammed features incl. up to 20 direct dialling numbers. These can be programmed/ changed from the station's keypad.

T for manual control of the speech direction, e.g. to control an integrated, two-way radio conversation from the Ring-Master station, or, when speaking to someone located in a very noisy area. Either party can revert to the



AA960

Excellent Soundquality

Technical data Master Station AA960:

Operating voltage: 24V DC +/- 15%

Current drain:

Station, stand by: 0.02 A

Station, normal speech level: 0.1 A

Station, max. speech level: 0.2 A

Station, w/16 ohm external speaker max. speech level: 0.4A

Max. power consumption:

Station alone, approx. 5 W

Station w/16 ohm ext. loudspeaker: 10 W

Amplifier output power:

Normal speech level: 0.2 W

Max. speech level: 1 W

The station amplifier can supply additional 2 W to an external loudspeaker

External loudspeaker impedance:

Recommended 16 to 50 ohm.

Volume control range: 27dB

Display: 8 characters, alpha numeric

Temperature range: 0 - 40°C (32 - 104°F)

Cable requirements:

1 twisted pair for audio and signalling

1 pair for power supply

Line specifications:

Frequency range: 300 - 5000 Hz

Galvanic line: 0 dBm (1mW/600ohm)

Normal speech level: -12 dBm

Max. speech level: + 4 dBm

Tone signalling level: - 10 dBm (CCITT)

Modem signalling (32kHz): -16dBm

Dimensions AA960:

Height: 51 mm (2.0"), Width: 72 mm (2.7")

Length: 224 mm (8.8")

handsfree mode by a short tap on the T button.

The AA960 has a port for remote control of external relays, e.g. for electric door openers, switching on/off of lights, etc. In addition, external alarm units can be connected to the AA960, such as fire alarm, burglar alarm, assault alarm, or any other type of security/surveillance alarm.

The AA960 acts as a remote control point for a microcomputer in a centralized exchange. This provides any or all users with an extensive range of optional functions as detailed below.

Different types of station cords are provided for plug-in connection between the wall socket and the station. BF640 is a 2m straight cord, BF641 is a 6m straight cord and BF642 is a 2,5m cord with a flexible spiral section.

The station permits connection to a suitable external loudspeaker (max load 16ohms) to increase the station's sound coverage where desired.

Features.

The AA960 station operates with the Ring-Master Systems CB901 (full display information) and RM5000 (no display information) and utilizes the following features (* = only CB901 system):

Standard features:

- Handsfree/loudspeaking
- Confidential/softspeaking
- T-button for simplex control
- Privacy
- Microphone cut-off
- Camp on busy extension
- Conference
- Hurry-up tone
- Call-back
- Remote control circuits
- Data transmission
- Volume control, 16 levels
- Time clock (*)

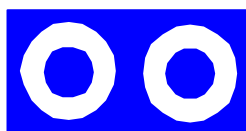
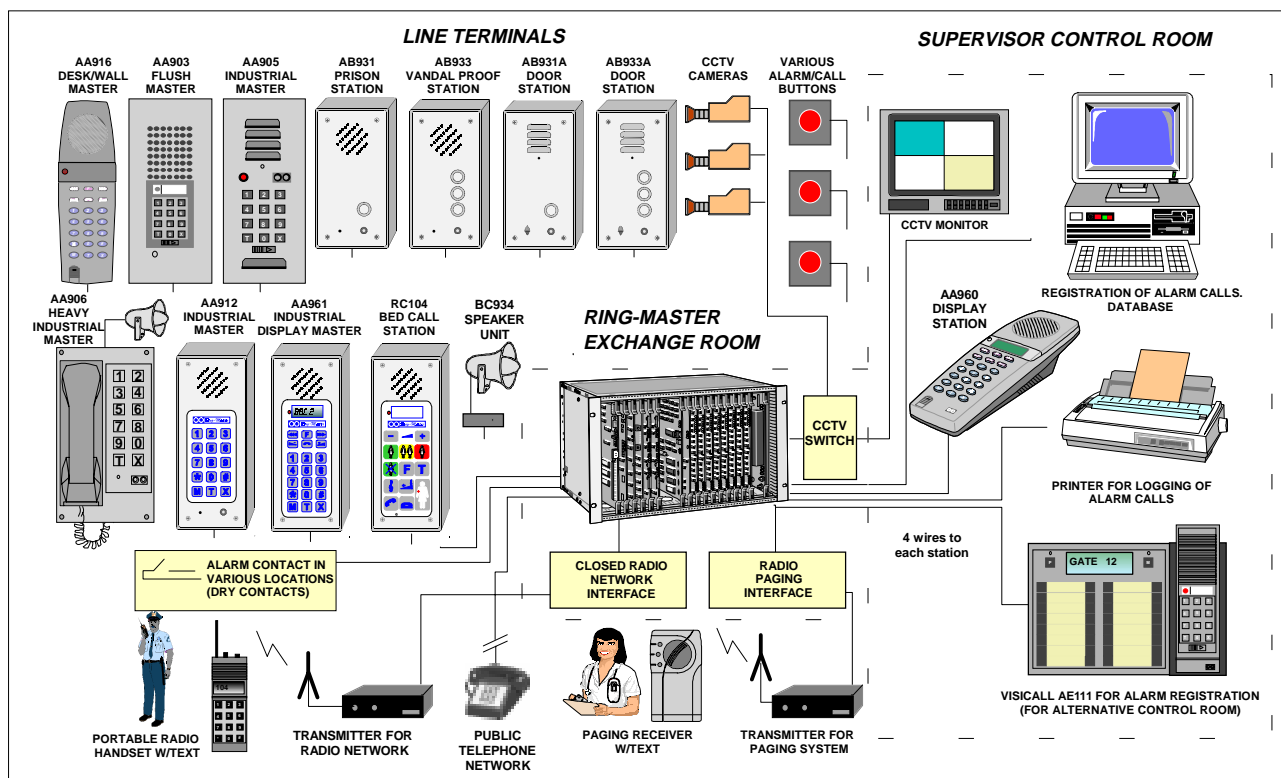
Interface features:

- Two-way mobile radio
- Radio paging
- Intersystem tie-line
- Public address
- Telephone public network
- Voice messaging
- Programme distribution (Music)

Individual features:

- Call numbers, freely programmable
- All/Group-call with reply back
- Priority
- Call forward/Secretary transfer
- Call transfer
- Hunt
- Speed dialling (*)
- Call reply (*)
- Sectoring (*)
- Direct conference dialling
- Direct dialling
- Direct access
- Central Answering Service (CAS)
- Remote dialling (*)
- Status output (*)
- Open station (line) (*)

The system's flexibility permits combinations of the above features to provide virtually any service desired by user. The AA960 is available in 2 colours, dark grey and white.



Ring Communications, Inc.
 57 Trade Zone Drive
 Ronkonkoma, NY 11779
 1-631-585-7464
 Web: <http://www.ringcomm.com>
 E-mail: mail@ringcomm.com