	Cincinnati Fire Department Fire Training Supplement DRILL BOOK	SECTION #1 General Fire Fighting
Date: January 2006 Section #: 1	TOPIC TITLE: SCBA Voice Intercom - ClearCommand	Total # of Pages: 3 Topic #: 14

TOPIC #14: SCBA Voice Intercom - ClearCommand

CLEARCOMMAND COMMUNICATIONS SYSTEM

DESCRIPTION

The ClearCommand™ Communication System allows a user to communicate clearly and easily, both face-to-face and over a hand-held radio, while wearing an SCBA equipped with a Ultra Elite facepiece.

Fig 1a



Fig 1b



Fig 1c




The ClearCommand Voice Amplifier consists of three separate assemblies:

1. An internal microphone assembly,- (Fig 1a)
2. Mounting bracket, - (Fig 1b)
3. Voice amplifier. (Fig 1c)

The amplifier has a Low Battery LED indicator. The amplifier can be attached or removed from the facepiece in seconds without tools. The amplifier operates from two standard AAA alkaline batteries and notifies the user when the batteries need replaced.

As with any piece of equipment there is a need to pay close attention to it's use and maintenance. The user should recall some of the following cautions:

1. Do not alter this unit. You may affect the intrinsic-safety of the device.
2. If damage is found, immediately remove the device from service. The unit should be forwarded to a Squad Comapny along with a form-40 for its repair.

	Cincinnati Fire Department Fire Training Supplement DRILL BOOK	SECTION #1 General Fire Fighting
Date: January 2006 Section #: 1	TOPIC TITLE: SCBA Voice Intercom - ClearCommand	Total # of Pages: 3 Topic #: 14

PREPARING FOR USE - Assembly of Amplifier

1. Ensure dust cover is removed from mounting bracket connector.
2. Attach the amplifier onto the bracket with the hook at the front of the amplifier. Align the amplifier so two pins of the connector are correctly in position, press the amplifier into place on the bracket and tighten thumbscrew on back side of mounting bracket.



Fig 2A



Fig 2b


Always test the ClearCommand Communication System for damage and be sure it operates properly before entering any hazardous atmosphere.

Amplifier

1. Don the SCBA Ultra Elite facepiece .
2. Turn the Voice Amplifier ON:
 - a. Depress the on/off button on the Amplifier and then release it.



- b. Look through the facepiece lens. A small, red LED should be illuminated at the top of the amplifier housing. If the LED is flashing, the battery is low and must be replaced before you use the Amplifier.
 - c. For amplifier full-time use, the on/off button must be ON. All face-piece audio is reproduced at the amplifier.

	Cincinnati Fire Department Fire Training Supplement DRILL BOOK	SECTION #1 General Fire Fighting
Date: January 2006 Section #: 1	TOPIC TITLE: SCBA Voice Intercom - ClearCommand	Total # of Pages: 3 Topic #: 14

Note: The on/off button remains ON until you press and release the button. Always be sure to turn the unit OFF (red LED should not be illuminated) before storing the face-piece. If left ON, the battery will be depleted.

3. Speak into the facepiece in a normal voice. Your voice is projected from the amplifier's speaker.

CLEANING AND MAINTENANCE

The ClearCommand should be cleaned and disinfected after each use.

Remove the Amplifier from the Ultra Elite Face Piece

1. Unscrew the thumbscrew and disconnect the amplifier.
2. Reconnect the dust cover in the (two pins) connector.

PREPARING FOR USE CLEANING AND DISINFECTING

1. Prepare a cleaning solution by adding Confidence Plus™ Cleaner to water, following the instructions on the Confidence Plus™ Cleaner container.

Never submerge the ClearCommand Communication System modules in water or any other liquid.

2. Clean by wiping with a damp sponge or cloth containing Confidence Plus Cleaner from MSA.

Installing the Batteries

Use only Duracell NEDA 24A or Eveready NEDA 24AC AAA alkaline batteries. Use of other batteries will void the intrinsic safety approval.

1. Loosen the thumbscrew to open battery door.
2. Insert two AAA batteries according to the battery orientation noted inside the compartment.
3. Close the battery door and tighten the thumbscrew.