

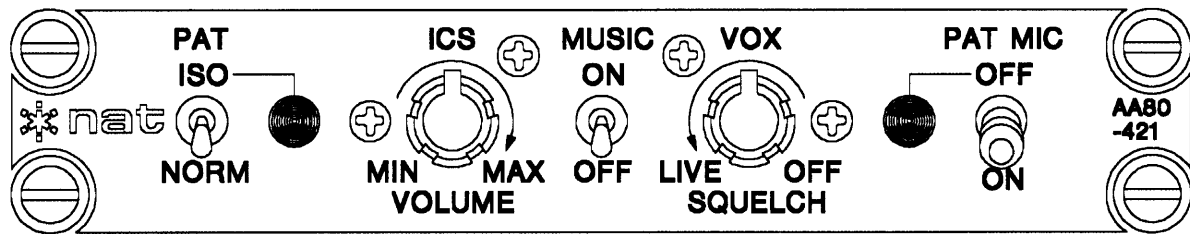


# INFORMATION BULLETIN

NAT Part #: **AA80-421**  
Description: Audio Controller

Information Bulletin #: 001  
Document #: **AA80\421\609-0001**

Prepared By: <i>[Signature]</i>	Checked By: <i>[Signature]</i>	Approved By: <i>[Signature]</i>
---------------------------------	--------------------------------	---------------------------------



## 1.0 General Description:

The AA80-421 is designed as an independent audio controller for Patient use and supports all audio functions for two headsets. The second headset can be used for a second patient, or can be used for a companion that is travelling with the Patient.

The design of the AA80-421 allows for expanded communications capability between all people connected into the intercom system, and provides for greater selectability of user groups within the system. It allows for NORMal and ISOLated intercom functions between the Patient(s) and Crew; Patient monitor capability for the medical crew when patient is selected to ISOLate; deselect capability of the Patient microphone(s); MUSIC ON/OFF selection; front panel ICS VOLUME and VOX SQUELCH controls; illuminated front panel.

## 2.0 Description of Controls:

### 2.1 PATient ISOLate / NORMal Switch

This switch allows the Patient(s) to be connected into the normal intercom system that is shared with the Pilot, Copilot and Medic audio controllers when the switch is in the NORM position. When the switch is operated to the ISOLate position, the amber LED illuminates and the AA80-421 is removed from the normal intercom system. The Medical crew are still able to hear the Patient(s) because of the Patient Monitor output from the AA80-421 to the Medic's audio controller. This output is only functional when

the AA80-421 is in the isolated mode. If there are two headsets connected to the AA80-421, then the headset users will be able to communicate with each other even though they are isolated from the rest of the normal intercom system.

## 2.2 ICS Volume Switch

Adjusts the local intercom volume level for the Patients.

## 2.3 MUSIC ON / OFF Switch

Selects the music audio to the Patient ON or OFF. Music is normally sourced from a Walkman type unit, or may be from a permanently installed music system.

## 2.4 VOX SQUELCH Switch

This control is used to set the point at which the voice operated circuitry (VOX) will properly respond to the Patient microphone(s). This can best be set by the Medical personnel monitoring the AA80-421 (NORM mode) and/or communicating with the Patient and adjusting the control for best response. Setting the control to the LIVE position will cause the microphones to operate in a HOT MIC condition, while setting to OFF will effectively disable the microphone.

## 2.5 PATient MIC OFF / ON Switch

This switch will allow the medical crew to fully disable the Patient microphone(s). It is intended to be used only when all attempts to communicate with or quiet the patient have failed. When operated to the OFF position, the adjacent red LED will illuminate to indicate that the Patient microphone is disabled. A lift/locking switch is used to prevent inadvertent operation.

End of Information Bulletin