

# Regarding Speech Processor Operation

This transceiver is equipped with a separate Parametric Microphone Equalizer adjustment procedure to be used when the speech processor is engaged.

This Parametric Microphone Equalizer may be set up using the Menu items described below.

## 132 tAUd PE1FRQ

**Function:** Selects the center frequency of the lower range for the parametric microphone equalizer when the speech processor is activated.

**Available Values:** OFF/100 ~ 700 Hz (100 Hz/step)

**Default Setting:** 200

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

100 ~ 700: Center frequencies of 100 Hz ~ 700 Hz.

You may adjust the equalizer gain and Q-factor at this selected audio frequency via menu items "133 tAUd PE1 LVL" and "134 tAUd PQ1 BW."

## 133 tAUd PE1 LVL

**Function:** Adjusts the equalizer gain of the low range of the parametric microphone equalizer when the speech processor is activated.

**Available Values:** -10 ~ +10

**Default Setting:** -10

## 134 tAUd PE1 BW

**Function:** Adjusts the Q-factor of the low range of the parametric microphone equalizer when the speech processor is activated.

**Available Values:** 1 ~ 10

**Default Setting:** 2

## 135 tAUd PE2 FRQ

**Function:** Selects the center frequency of the middle range for the parametric microphone equalizer when the speech processor is activated.

**Available Values:** OFF/700 ~ 1500 Hz (100 Hz/step)

**Default Setting:** 800

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

700 ~ 1500: Center frequencies of 700 Hz ~ 1500 Hz.

You may adjust the equalizer gain and Q-factor at this selected audio frequency via menu items "136 tAUd PE2 LVL" and "137 EQ2 BW."

## 136 tAUd PE2 LVL

**Function:** Adjusts the equalizer gain of the middle range of the parametric microphone equalizer when the speech processor is activated.

**Available Values:** -10 ~ +10

**Default Setting:** -3

## 137 tAUd PE2 BW

**Function:** Adjusts the Q-factor of the middle range of the parametric microphone equalizer when the speech processor is activated.

**Available Values:** 1 ~ 10

**Default Setting:** 1

## 138 tUAd PE3 FRQ

**Function:** Selects the center frequency of the high range for the parametric microphone equalizer when the speech processor is activated.

**Available Values:** OFF/1500 ~ 3200 Hz (100 Hz/step)

**Default Setting:** 2100

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

1500 ~ 3200: Center frequencies of 1500 Hz ~ 3200 Hz.

You may adjust the equalizer gain and Q-factor in this selected audio frequency via menu items "139 tUAd PE3 LVL" and "140 tUAd PE3 BW."

## 139 tUAd PE3 LVL

**Function:** Adjusts the equalizer gain of the high range of the parametric microphone equalizer when the speech processor is activated.

**Available Values:** -10 ~ +10

**Default Setting:** +6

## 140 tUAd PE3 BW

**Function:** Adjusts the Q-factor of the high range of the parametric microphone equalizer when the speech processor is activated.

**Available Values:** 1 ~ 10

**Default Setting:** 1

*Because the items above have been added to the Menu listing in the Operating Manual, please make a note of the revised numbering for the Menu selections below.*

132 tGEn BIAS → 141 tGEn BIAS

133 tGEn MAX PWR → 142 tGEn MAX PWR

134 tGEn PWRCNTL → 143 tGEn PWRCNTL

135 tGEn ETX-GND → 144 tGEn ETX-GND

136 tGEn TUN PWR → 145 tGEn TUNE PWR

137 tGEn VOX SEL → 146 tGEn VOX SEL

138 tGEn EMERGENCY → 147 tGEn EMERGENCY

