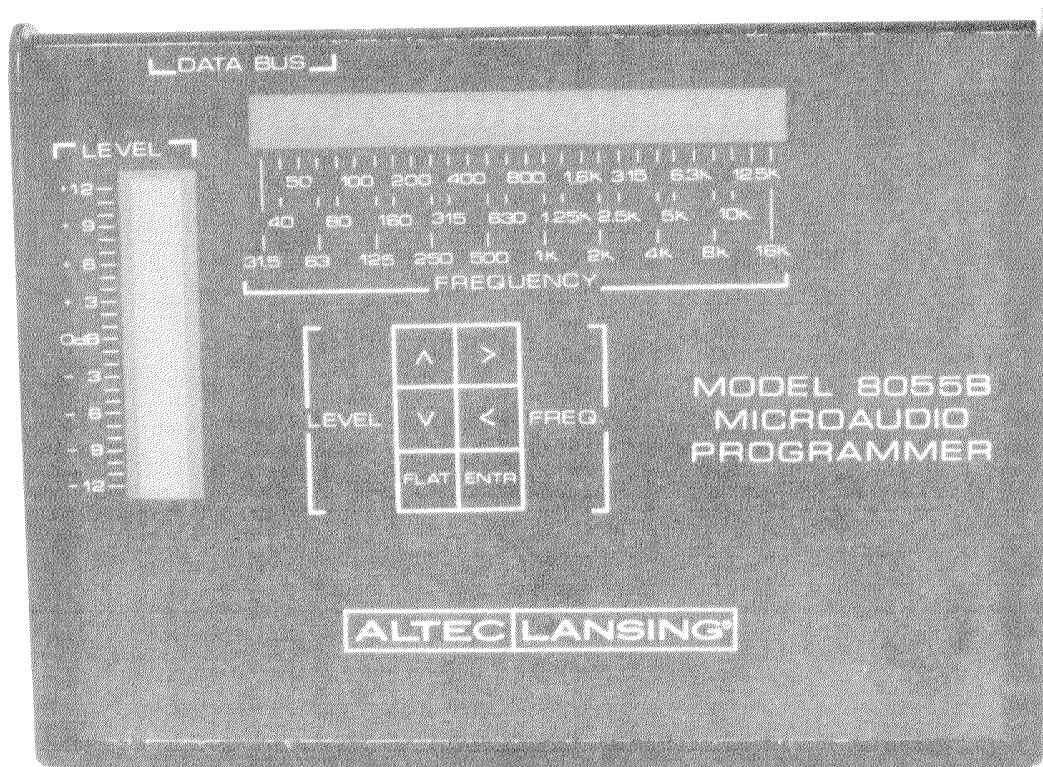




# 8055B MICROAUDIO PROGRAMMER



## DESCRIPTION

The ALTEC LANSING **8055B** MicroAudio Programmer is an accessory programmer for all ALTEC LANSING programmable equalizers. The lightweight, handheld unit permits the equalizers to be adjusted quickly and easily using traditional real-time analyzer techniques. It interfaces directly to the equalizers requiring no external power source.

Two LED arrays indicate the gain, and frequency band selected. Six membrane switches are provided to select and program the desired settings. Two keys, "<" and ">", select the frequency band, and the "^" and "v" keys determine in which direction the gain will step. The FLAT key

resets all bands to unity gain (0 dB), and the ENTR key tells the unit to send the individual changes to the equalizer.

Three new features have been added; the ability to recall and display previously programmed settings, the ability to program master gain (**8551B** and **8558B** only), and a prompt for the FLAT key to prevent accidental erasures of recently programmed settings. Coupled with these new features, the **8055B** makes programming or verifying correct settings faster, more convenient, and ideal for field use.

## SPECIFICATIONS

**Controls:** 6 - membrane switches  
( <, >, ^, v, FLAT, ENTR)  
1 - momentary read switch  
(rear panel)

**Displays:**  
**Frequency Band:** 28 by 1 LED array, horizontal  
**Gain:** 25 by 1 LED array, vertical

**Connectors:** 9-pin male D-subminiature

**Color:** Black

**Dimensions:** 8.25 in W x 6.13 in D x  
2.25 in H  
3.2 cm W x 2.4 cm D x  
0.9 cm H

**Weight:** 1.5 lbs (0.68 kg)

**Included Accessories:** 1 - communications cable  
(9-pin male to 9-pin female)

**Power Requirements:** Provided by equalizers

ALTEC LANSING continually strives to improve products and performance. Therefore, specifications are subject to change without notice.

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The programmer shall interface directly to the **80551B** or **80558B** programmable one-third octave equalizers, and be fully backwards-compatible with earlier models. It shall have two LED arrays to indicate the frequency band selected and the amount of boost or cut in 1 dB step sizes. Membrane switches shall be provided for the following six functions: increment the frequency band, decrement the frequency band, increment the gain, decrement the gain, reset all bands to unity gain, and transmit the

setting to the equalizer. A momentary switch shall be provided to recall a setting from an equalizer. The programmer shall also be capable of programming master gain in the **8551B** and **8558B** programmable equalizers. The programmer shall be powered solely from an equalizer and be provided with the proper communications cable.

The programmer shall be the ALTEC LANSING model **8055B** MICROAUDIO PROGRAMMER.



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## OPERATING INSTRUCTIONS FOR THE 8055B

### 1.0 POWER REQUIREMENTS

The 8055B requires no external power supply. All necessary power is provided by the equalizer through the inter-connection cable provided.

### 2.0 CONNECTION TO AN EQUALIZER

Connect the cable provided between the equalizer and the 8055B; the equalizer does not have to be disconnected from the ac power source.

### 3.0 PROGRAMMING AN EQUALIZER

When energized, only the 800 Hz LED will be illuminated. Although the default power-on gain setting is 0 dB, a gain LED will not be illuminated. This is to indicate that the present equalizer settings have not, as yet, been changed. Only after pressing the "↑" or "↓" keys, or the FLAT key, followed by the ENTR key, will a gain LED be illuminated.

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*NOTE: If the gain LED for a particular frequency band is illuminated, the corresponding frequency band in the equalizer is programmed with the displayed gain setting.*

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#### 3.1 Making Simple Adjustments to an Equalizer's Present Settings

To change the gain of one frequency band, simply use the "<" or ">" keys to select the frequency band of interest, and the "↑" or "↓" keys to set the gain. Once the gain has been selected, press the ENTR key to transfer the setting to the equalizer. If other bands need minor adjustments, repeat the process. When done, unplug the 8055B.

#### 3.2 Programming an Equalizer for the First Time

If you are programming an equalizer for the first time, you may want to set all bands to unity gain. Simply press the FLAT key followed by the ENTR key. This action resets all 28 frequency bands to unity gain. It does not affect the master gain setting.

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*NOTE: The FLAT key now has a 3-second delay meaning that the key must be held for at least three seconds prior to pressing the ENTR key before the combination will have any effect. This is a safety measure to prevent accidental erasures caused by pressing the FLAT key by mistake.*

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### 3.3 Programming an Equalizer with a Master Gain Control

Some equalizers, such as our 8551B and 8558B, have a programmable master gain control. To program the master gain setting, press the "<" key until the 31.5 Hz LED is extinguished. Now, use the "↑" or "↓" keys as before to program the master gain.

### 3.4 Recalling an Equalizer's Programmed Settings

To recall an equalizer's settings, press the momentary toggle switch, located on the rear panel of the unit, for approximately half a second. When the frequency band LED's extinguish, the settings have been recalled from the equalizer and now reside in the 8055B's memory. To display the settings, simply select the desired frequency band or master gain using the ">" or "<" keys. The programmed gain will be displayed automatically on the gain scale.

### 4.0 FACTORY SERVICE

Should factory service be required, ship the unit prepaid to:

ALTEC LANSING Customer Service/Repair  
10500 W. Reno  
Oklahoma City, Oklahoma 73128 U.S.A.

Enclose a note describing the problem in as much detail as possible. This helps us find and repair the problem more quickly for a speedier return to you.

### 5.0 TECHNICAL ASSISTANCE

For applications assistance, or other information, call (405) 324-5311, Telex: 160369 ALTEC OKC, FAX: (405) 324-8981, or write:

ALTEC LANSING Technical Assistance  
P.O. Box 26105  
Oklahoma City, Oklahoma 73126-0105 U.S.A.

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*NOTE: ALWAYS disconnect the 8055B from an equalizer after use to prevent excessive power supply drain.*

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Use the chart below to record equalization settings

**FREQUENCY BAND (Hz)    LEVEL ( $\pm$ dB)**

31.5	_____
40	_____
50	_____
63	_____
80	_____
100	_____
125	_____
160	_____
200	_____
250	_____
315	_____
400	_____
500	_____
630	_____
800	_____
1k	_____
1.25k	_____
1.6k	_____
2k	_____
2.5k	_____
3.15k	_____
4k	_____
5k	_____
6.3k	_____
8k	_____
10k	_____
12.5k	_____
16k	_____



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Revision 1