

New
in the family of

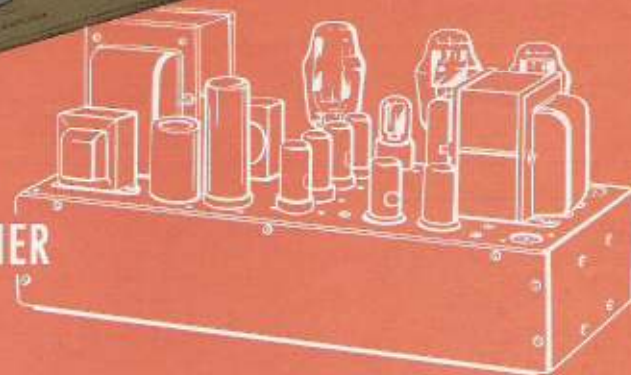
BROOK

**HIGH QUALITY AUDIO
AMPLIFIERS**

The Self-Powered



**MODEL 7
PRE-AMPLIFIER**



Designed by **LINCOLN WALSH**

... The audio performance afforded by unique BROOK tone controls make this pre-amplifier a perfect complement to BROOK Basic Models 12A and 10C; also, an ideal companion to any quality basic amplifier.

... Hum well below the thermal noise of tubes.

... All the features of the BROOK Model 4B Pre-Amplifier, plus built-in power supply, operating from 115V, 50 to 60 cycles.

BROOK ELECTRONICS, INC.

First in the High-Quality Audio Field Since 1934

34 DeHART PLACE, ELIZABETH, N. J.

Specifications . . . BROOK PRE-AMPLIFIER Model 7

- FREQUENCY RANGE** With bass control set at position 4 and treble control set at position 8, volume control set at position 7, overall response is within 1 db, 15 to 30,000 cycles.
- CONTROLS** Channel Selector, Record Playback Characteristic, Bass, Treble, Volume, Pilot Light, Power Switch, Switch to cut out Automatic Bass Compensation (bass-loudness control).
- FIVE INPUT CHANNELS**
- A & B for tuners (AM, FM, TV or recorders)
 - *Gain: Pre-amplifier only 40 db flat.
Input impedance: 1 meg.
 - C & D for tuners, recorders or crystal pickups.
 - *Gain: 40 db flat.
Input impedance: 250,000 ohms.
 - E for magnetic, variable reluctance or capacitance pickups.
 - *Gain: 55 db pre-amplifier only, at 1000 cycles, compensated for pickup along with Record Playback Characteristic Control.
- Jack EM for magnetic type or variable reluctance pickups, input impedance 2 meg, shunted by 47K loading resistor (resistor may be changed as required).
- Also adapted for microphone with Record Characteristic Control set on Position 1.
- *Gain: 65 db flat.
- Jack EC for Capacitance FM pickups.
- *Gain: 55 db flat.

*Gain represents pre-amplifier only. BROOK Power Amplifiers Models 12A and 10C have additional gain of 55 db, each.

JACK R on rear panel OUTPUT FOR USE WITH RECORDERS, or "Armchair dimmer" furnished with amplifier.

- RECORD PLAYBACK CHARACTERISTIC CONTROL** Position 1 flat for microphone input; positions 2-10 to match various types of recordings. See chart, below.

- BASS CONTROL** Switch-type with 10 steps of control. Two stage R-C network. Bass may be boosted as much as 24 db at 50 cycles without boominess. This is in addition to pickup equalization and automatic bass compensation. Bass may be cut as much as 16 db at 50 cyc.es. See chart, below.

- TREBLE CONTROL** Switch-type with 10 steps of control. Two-stage R-C network. Steps 9 and 10 provide boost of 5 and 10 db respectively at 10,000 cycles. See chart, below.

- TUBES** 1-6J7 (or 1620), 2-6SJ7's, 2-6C4's, all triode-connected; power supply tube 6X4. The 1620 and 6J7 are identical except that the 1620's are especially selected for low noise. The 6J7 gives a hum level entirely satisfactory for all normal applications. For supercritical use, the 1620 may give slightly lower hum.

- DIMENSIONS** 14½" wide, 9⅛" deep, 3½" high. Luxurious gold-finished consolette, enhanced with highly polished solid walnut end blocks, has removable lucite escutcheon 13" x 2¾" to facilitate panel-mounting.

- NET WEIGHT** 10 lbs.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

RECORD PLAYBACK CHARACTERISTIC CONTROL				
POSITION	BASS		TREBLE ATTENUATION AT	
	CROSSOVER CYCLES	10,000 CYCLES	10,000 CYCLES	
1	FLAT FOR MICROPHONE INPUT			
2	250, 14 db at 50 cycles	6 db	European	
3	400, 17 db at 50 cycles	14.5 db	Columbia 78	
4	400, 16 db at 50 cycles	12.5 db	New Orthophonic RCA-Victor	
5	400, 18 db at 50 cycles	12.5 db	AES, Decca, Capitol, Mercury	
6	400, 18 db at 50 cycles	6 db	Old Records	
7	500, 12.2 db at 50 cycles	10.5 db	London FFRR	
8	500, 13.3 db at 50 cycles	16 db	Westminster, Columbia LP	
9	600, 23 db at 50 cycles	16 db	NAB, MGM	
10	600, 23 db at 50 cycles	12.5 db	RCA-Victor Orthophonic	

BASS CONTROL	
VOLUME CONTROL SETTING AT POSITION 7	
Position 1	-18 db at 50 cycles
2	-12 db at 50 cycles
3	-5 db at 50 cycles
4	0 (flat) at 50 cycles
5	+4 db at 50 cycles
6	+7 db at 50 cycles
7	+11 db at 50 cycles
8	+15 db at 50 cycles
9	+21 db at 50 cycles
10	+27 db at 50 cycles

TREBLE CONTROL	
VOLUME CONTROL AT ANY SETTING	
Position 1	-36 db at 10,000 cycles
2	-31 db at 10,000 cycles
3	-28 db at 10,000 cycles
4	-23 db at 10,000 cycles
5	-17 db at 10,000 cycles
6	-11 db at 10,000 cycles
7	-6 db at 10,000 cycles
8	0 db at 10,000 cycles
9	+5 db at 10,000 cycles
10	+10 db at 10,000 cycles

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