

Amplifiers

1593B Power Amplifier

The 1593B is a 50-watt solid-state power amplifier designed for standard 19" rack mounting, and features a front panel gain adjustment. The 1593B will operate on 120 or 240 volts ac or 28 volts dc, making it ideal for permanent, mobile, or emergency use. Output taps for 4, 8 or 16 ohms and 70.7- or 210-volt line operation are included.

1594B Power Amplifier

Like the 1593B, the 1594B is an all-solid-state power amplifier designed for rack mounting. It is capable of delivering 100 watts into 4, 8 or 16 ohms, or 70.7- or 210-volt distributed systems, and will operate from 120 or 240 volts ac, or 28 volts dc.

1590C Power Amplifier

The 1590C Power Amplifier is designed for applications where uninterrupted operation is a requisite. The 1590C provides 200 watts of power at less than 1% total harmonic distortion (THD) from 50 Hz to 12 kHz, and has a frequency response of ± 1 dB from 20 Hz to 20 kHz. Output transformer taps provide connections for 70.7-, 100-, 140- and 200-volt line distribution systems.

9440A Stereo Power Amplifier

The ultimate in high power and ultra-low distortion, the 9440A is a magnificent amplifier. It is capable of delivering 200 watts per channel into 8 ohms at less than 0.1% total harmonic distortion, at any frequency from 20 Hz to 20 kHz, or greater than 800 watts monaural into 8 ohms.

1609A Biampifier

The 1609A is a rack-mounted biampifier composed of two separate power amplifiers and an electronic crossover circuit. It is used to drive wide-band 2-way speaker systems for music reproduction and sound reinforcement. It will deliver 100 watts to the bass driver and 50 watts to the treble driver, with a crossover frequency selectable at 500 Hz, 800 Hz or 1500 Hz with 12 dB per octave high- and low-pass elements.

351C Power Amplifier

The 351C is a compact 50-watt amplifier designed for shelf mounting. Its small size, low distortion and low power consumption make it an ideal choice as a portable paging amplifier.

1224A Biampifier

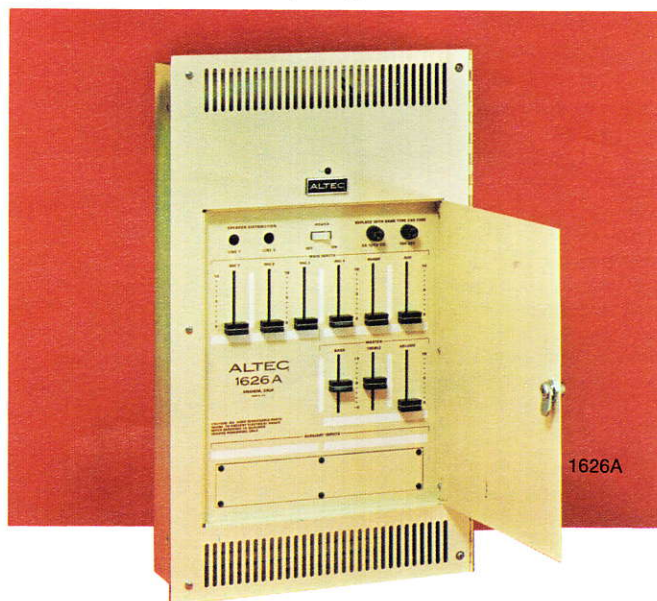
The 1224A is an electronic crossover/biampifier delivering 30 watts to the high-frequency component and 60 watts to the bass driver. It is a unit of modest size and weight, designed to be installed in the 828B low-frequency horn and other Altec utility speaker enclosures for use with high-accuracy playback and reinforcement systems.

1626A In-Wall Mixer/Power Amplifier

The 1626A provides a versatile control center for speech reinforcement in applications where local access to the controls is required.

1626A Specifications

Power Output (watts): 100
Input Sensitivity: 0.5V direct, 0.1V Balanced
Frequency Response: ± 1 dB, 20 Hz to 15,000 Hz
Load Impedance (ohms): 6, 16, 50
Dimensions: 26" H x 17 1/2" W x 3 7/8" D
 (66.0cm H x 44.8cm W x 9.8cm D)
Weight: 38 lbs. (17.2 kg.)



1626A

1611A Mixer/Power Amplifier

Although best known for massive installations and sophisticated sound products, Altec provides sound equipment for even the smallest installations. Such is the case with the 1611A. Providing the basic essentials—mixing capabilities for three inputs and master bass and treble controls, it can serve as the complete electronics package for a small sound reinforcement system or background music and paging system.

1606A Mixer/Power Amplifier

Where an increase in output power and flexibility over the 1611A is required, the 1606A is the answer. Its built-in power amplifier delivers 40 watts into 4-, 8- or 16-ohm loads or 70.7-volt distributed systems. Features include four mixable inputs which can be used with various sources through plug-in modules, switchable gain levels (low and high) on each input channel, master gain control, and bass and treble controls.

1607A Mixer/Power Amplifier

Five mixable inputs, adaptable for many uses through plug-in modules, and 75 watts of power into 4-, 8- or 16-ohm loads or 70.7-volt distributed systems, are just a few features of the 1607A. A built-in test tone, master bass and treble controls, a variable-range VU meter (optional), a bright/normal switch, front-panel-accessible circuit breaker, and monitor output with volume control complete the package. An ideal unit for medium-sized installations with requirements for up to five inputs. A wide variety of accessories can be ordered to customize the unit to your particular requirements.

1608A Mixer/Power Amplifier

The 1608A can be loaded with accessories to emerge as an amazingly well-equipped single unit. It comes standard with everything the 1607A has, but with twice the output power. The 1608A can be equipped (as can the 1607A) with a variable-range VU meter, variable-threshold compressor, shelf-mounting cover and Acousa-Voicing filters.

9477B Power Amplifier

You may not have realized it yet, but one of the best ways to increase the loudness of your sound system, and at the same time lower the distortion, is with high quality power amps.

9477B Specifications

Power at Clip Point:
 Typically 130 watts continuous into 8 ohms

Frequency Response:
 ± 0.5 dB 20-20,000 Hz

Total Harmonic Distortion:
 Less than 0.5% at 100 watts
 30-20,000 Hz

Input Sensitivity:
 0.8V RMS for rated output
 (0 dBm input)

Load Impedances:
 4, 8, or 16 ohms selectable

Dimensions:
 7"H x 19"W x 8 1/2"D
 (17.8cm H x 48.3cm W x 21.6cm D)

Weight:
 34 pounds (15.5 Kg)



9477B



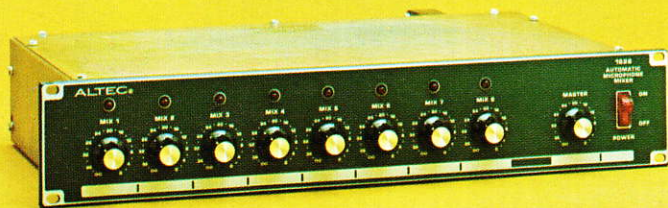
1177A



POWER AMPLIFIERS						BIAMPLIFIERS		MIXER/POWER AMPLIFIERS				
	351C	1590C	1593B	1594B	9440A	1224A	1609A	1606A	1607A	1608A	1611A	
Power Output (watts)	50	200	50	100	200 channel (8 ohms) 400 channel (4 ohms)	60 (LF) (8 ohms) 30 (HF) (8 ohms)	100 (LF) 50 (HF)	Input Channels	4	5	5	3
Gain (each channel)	60 dB	67 dB	61 dB	64 dB	55.7 dB w/ 15335A (8-ohm load) 58.7 dB w/ 15335A (4-ohm load) 61.7 dB w/ 15335A in mono mode (8-ohm load)	52 dB w/ 15335A (LF) 66 dB w/ 15095A (LF) 49 dB w/ 15335A (HF) 63 dB w/ 15095A (HF)	64 dB (LF) 61 dB (HF)	Power Output (watts)	40	75	150	25
								Gain (each channel) with 1588C with 15095A	115 dB 65 dB	119 dB 63 dB	121 dB 71 dB	97 dB 62 dB
Input Sensitivity with 15335A with 15095A	450 mV rms	0.8V rms	0.8V rms	0.8V rms	0.6V rms	0.5V rms 0.5V rms 0.1V rms	0.8V rms	Input Sensitivity (for full output) Microphone Channels with 1579C with 15095A	1 mV rms 87 mV rms 160 mV rms	1 mV rms 87 mV rms N/A	1 mV rms 87 mV rms N/A	5.4 mV rms 92 mV rms 340 mV rms
Frequency Response	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	±0.25 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	Auxiliary Channel				
								Frequency Response	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz
Crossover Frequency						500, 800 or 1500 Hz with 12 dB/octave slope	500, 800 or 1500 Hz with 12 dB/octave slope	Source Impedance (ohms) with 1588C with 1579C with 15095A with 15356A with 15335A				
Input Impedance (ohms) with 15335A with 15095A	50,000 50,000 2,000	15,000 15,000 600	15,000 15,000 600	15,000 15,000 600	15,000 15,000 600	15,000 15,000 600	15,000 15,000 600	Up to 47,000 Up to 50,000 600-15,000 150 or 600	150/250 Up to 47,000 600-15,000 150 or 600	150/250 Up to 50,000 600-15,000 150 or 600	150/250 Up to 50,000 600-15,000 150 or 600	150/250 Up to 47,000 600-15,000 150 or 600 Up to 15,000
Load Impedance (ohms)	4, 8, 16 and 100	25/50/and 100/200	4, 8, 16 and 100	4, 8, 16 and 50	4 (minimum)	4 (minimum)	4, 8, 16 and 50 (LF) 4, 8, 16 and 100 (HF)	Load Impedance (ohms)	4, 8, 16 or 125	4, 8, 16 or 66	4, 8, 16 or 32	2, 8, 25 or 200
Signal-to-Noise Ratio	90 dB	85 dB	85 dB	85 dB	100 dB	90 dB	85 dB	Equivalent Input Noise	-129 dBm*	-129 dBm*	-129 dBm*	-129 dBm*
Dimensions	5 1/4"H x 9 3/4"W x 9 3/4"D 13.0 cm H x 24.8 cm W x 23.8 cm D	10 1/4"H x 19"W x 8 1/4"D 26.7 cm H x 48.3 cm W x 21.0 cm D	5 1/4"H x 19"W x 7 3/4"D 13.3 cm H x 48.3 cm W x 18.7 cm D	7"H x 19"W x 8 1/2"D 17.8 cm H x 48.3 cm W x 21.6 cm D	7"H x 19"W x 11"D 17.8 cm H x 48.3 cm W x 27.9 cm D	6 1/2"H x 9 7/8"W x 9"D 16.5 cm H x 25.1 cm W x 22.9 cm D	7"H x 19"W x 8 1/2"D 17.8 cm H x 48.3 cm W x 21.6 cm D	Dimensions	5 1/4"H x 19"W x 7"D 13.3 cm H x 48.3 cm W x 17.8 cm D	8 3/4"H x 19"W x 9"D 17.8 cm H x 48.3 cm W x 22.9 cm D	3 1/2"H x 17"W x 9 1/2"D 8.9 cm H x 43.2 cm W x 24.1 cm D (Rack mount brackets available)	
Weight	16.5 lbs- 7.5 kg	41 lbs- 18.6 kg	23 lbs- 10.4 kg	35.5 lbs- 16.1 kg	56.5 lbs- 25.6 kg	16 lbs- 7.3 kg	37 lbs- 16.8 kg	Weight	19 lbs- 8.6 kg	29.3 lbs- 13.3 kg	42 lbs- 19.1 kg	17.75 lbs- 8.1 kg

*Equivalent input noise measured with 1588C in circuit.

Mixers



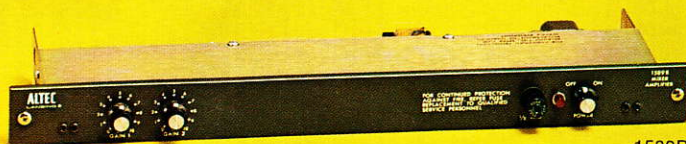
1628A



1592B



1599A



1589B

1628A Mixer/Amplifier

The 1628A is an 8-channel, solid-state mixer/amplifier with provision for plug-in input accessory modules. Total system gain is held constant by automatic adjustment of the signal level in each channel, dependent on the channel-to-system signal-to-noise ratio (U.S. Patent Pending). This process provides maximum gain to any single microphone and prevents feedback in multimicrophone operation. Additional 1628A's may be linked together to extend the number of available inputs.

1592B Mixer/Amplifier

The 1592B is an excellent general-purpose mixer. It features inputs for five signal sources, adaptable by means of plug-in modules, separate master and monitor gain controls, a variable-range VU meter, separate bass and treble controls, test tone, a normal/bright switch and a gain level switch for each microphone input channel.

1599A Mixer Extender

The 1599A is a six-input mixer designed to be used as the only mixer in the system with out-board equalization, or to extend the input capabilities of another mixer such as the 1592B. Each input is adaptable, through plug-in modules, to receive a variety of signal sources; each input is also equipped with a microphone gain level switch.

1589B Mixer/Amplifier

The 1589B is a 2-channel mixer designed as a basic mixer, mixer extender, or for use in coupling two other mixers together in one system. Each input has plug-in module capabilities, and a fuse accessible from the front panel.

MIXER/PREAMPLIFIERS				
	1589B	1592B	1599A	1628A
Input Channels	2	5	6	
Gain				
With 1588C	77 dB	87 dB	48 dB	91 dB
With 15095A	28 dB	38 dB	-1 dB	
With 15356A	42 dB	54 dB	15 dB	56 dB
Power Output	+20 dBm	+30 dBm	+6 dBm	+25 dBm
Frequency Response	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz	±1 dB from 20-20,000 Hz
Total Harmonic Distortion	Less than 0.5%	Less than 0.5%	Less than 0.5%	Less than 0.5%
Source Impedance (ohms)				
With 1588C	150/250	150/250	150/250	150
With 1579C	Up to 50,000	Up to 50,000	Up to 50,000	—
With 15095A	600-15,000	600-15,000	600-15,000	—
With 15356A	150 or 600	150 or 600	150 or 600	600
Load Impedance (ohms)	150 or 600	150 or 600	600	150 or 600
Equivalent Input Noise With 1588C	-129 dBm	-129 dBm	-129 dBm	-29 dBm
Output Noise Level (below rated output)	85 dB	85 dB	85 dB	85 dB
Dimensions	1 3/4"H x 19"W x 4 3/4"D 4.5 cmH x 48.3 cmW x 12.1 cmD	5 1/4"H x 19"W x 6 1/2"D 13.3 cmH x 48.3 cmW x 16.5 cmD	3 1/2"H x 19"W x 7"D 8.9 cmH x 48.3 cmW x 17.8 cmD	3 1/2"H x 19"W x 12 1/2"D 8.8 cmH x 48.3 cmW x 31.8 cmD
Weight	4.2 lbs-1.9 kg	10.5 lbs-4.8 kg	7 lbs-3.2 kg	15 lbs-6.8 kg

Special-Purpose Electronics and Accessories

1603A SEQR Amplifier Coupler

The 1603A is used to safely couple two power amplifiers in parallel to drive a common load. Should one amplifier fail, the 1603A isolates it from the other amplifier, preventing the failure of the second amplifier and keeping the sound system in operation.

1605B NOALA

NOALA means "Noise-Operated Automatic Level Adjustment". What this device does is sense increases and decreases in ambient noise levels through the speaker system, and adjust amplifier gain to compensate for these variations.

1612A Limiter Amplifier

In sound systems great variations in input signal level can occur. The 1612A is highly effective at controlling dynamic range, making the average sound level more uniform. The 1612A functions as a limiter, or as a line amplifier and features two inputs, compression/VU meter, a dual range attack/release mode switch and a limit/line balance control to defeat limiting without affecting the average preset output level.

1650 Active Equalizer

The 1650 Active Equalizer is designed to provide accurate equalization of the entire audio spectrum for professional and industrial applications. The 1650 contains 28 active band-rejection filters at ISO preferred $\frac{1}{3}$ -octave center frequencies from 31.5 to 16,000 Hz. Each filter section provides up to 15 dB attenuation at its center frequency and is skirted to cross over with adjacent sections at -7 dB, combining to give ripple-free summation over 85% of the range. A gain control restores equalization losses.

The high- and low-pass filters roll off at 18 dB/octave with continuously variable 3 dB down points. The control panel is calibrated in markings of OFF/20 Hz/40 Hz/80 Hz/160 Hz (high pass), and OFF/5 kHz/8 kHz/12.5 kHz/20 kHz (low pass). A slide-type bypass switch allows the filter set to be conveniently switched in and out of the circuit.

9430A Digital Delay System

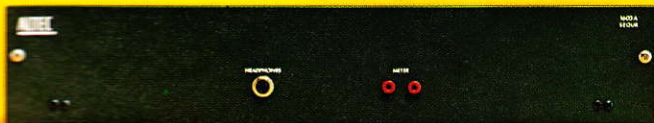
The 9430A provides excellent quality audio signal delays from 5 to 320 milliseconds, incremented in 5-millisecond steps. Its outstanding 90 dB dynamic range makes signal delay possible where delay tubes, magnetic tape and drum systems, and earlier digital models have been historically unsatisfactory.

9880A Active Filter

The 9880A provides high- and low-pass filter action to eliminate unwanted noise at the ends of the audio band. High-pass filter frequencies are selectable in $\frac{1}{3}$ octave steps from 31.5 Hz to 250 Hz; low-pass filter frequencies are selectable in the same way, from 2 kHz to 16 kHz. Separate bypass switches are provided for high- and low-pass functions. A removable front panel protects the filter switches.



1650



1603A



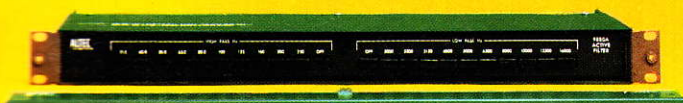
1605B



1612A



9430A



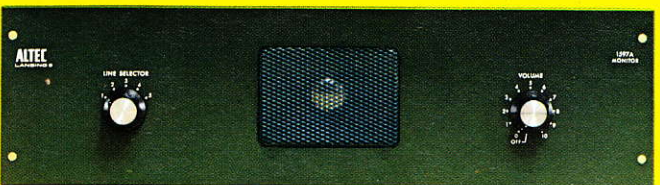
9880A



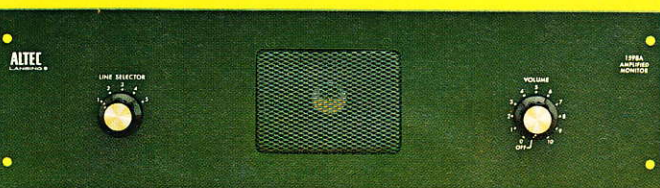
1552A



1554A



1597A



1598A



1614A



BLANK PANEL



1579C



1588B/C



8080B



15036



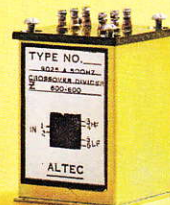
15335A



15095A



15356A



9025-1/-2

Special-Purpose Electronics and Accessories (Cont.)

1552A Meter Panel

A separate 3-range VU meter for monitoring audio levels.

1554A Power Distribution Panel

Provides six switched, two unswitched 3-pin ac outlets for master power control.

1597A Passive Monitor Panel

Provides audible monitoring of line signal from up to five different 70-volt lines. Draws 1 watt from input line.

1598A Amplified Monitor Panel

Provides audible monitoring of line signal from up to five 600-ohm lines. Has built-in 2-watt amplifier. Operates on 110V ac or 28V dc.

1614A Frequency Shifter

Shifts input signal 3 to 6 Hz to aid in feedback control in speech reinforcement systems.

Blank Panels

Are available in a variety of heights to fill open areas in standard 19" racks.

1579C Equalized Preamplifier

Converts most Altec mixer inputs to accept magnetic phono input. Equalized to meet RIAA standards.

1588B/C Microphone Preamplifier

Converts most Altec mixer inputs to accept low-impedance microphone. Features 129 dBm equivalent input noise and phantom power for condenser microphones.

8080B Pink Noise Generator

Provides random pink noise source for the calibration and adjustment of equalizers and filters, and for use in speech privacy systems.

15036 Repeat Coil

This precision inductor provides isolation and line matching for 150- or 600-ohm line through selectable taps.

15095A Line Transformer

A precision transformer used for input and output impedance matching in 600-ohm systems.

15335A Matching Transformer

A precision-manufactured device used to provide isolation and line matching for 15,000-ohm lines.

15356A Line Matching Transformer

Provides isolation and line matching for 600-ohm lines. Typical of Altec precision inductor construction.

9025-1 / 9025-2 Dividing Networks

Two high-precision passive crossover networks for use before power amplifier stage for biamp operation. Crossover frequencies are 500 Hz (9025-1) or 800 Hz (9025-2).

Microphones



650



655AL



654A



M53/M54



656AL



626A



668A

There is an Altec microphone for every purpose. Spanning the complete range of applications, from microphones used with mobile radios to ultra-sophisticated studio-quality units, Altec has a quality microphone ideally suited to meet the demands of any situation.

Altec makes both cardioid (having a basically hemispherically shaped pickup pattern as measured from above the microphone) and omnidirectional (having a spherical pickup pattern) microphones. Each type of pickup pattern is inherent in both dynamic and condenser type microphones. Dynamic microphones tend to be more universal in their applications, but condensers are best for absolute accuracy.

Dynamic Cardioid Microphones

650BL/BH Built-in windscreen. All-metal case. Ideal for rugged, multi-use applications. BH model uses 183A cable with built-in transformer making a high-impedance unit, with an output impedance of 20,000 ohms.

654A Built-in windscreen. All-metal, nonglare-finished case. Ideal for rough-service entertainment use.

656AL Built-in windscreen. One-piece, nonglare, nickel-finished case. Shock-mounted element.

Dynamic Omnidirectional Microphones

655AL Built-in windscreen. One-piece, nonglare, nickel-finished case. Shock-mounted element.

677B Miniature lavalier microphone weighing less than 1 ounce. Nonglare finish. Includes tie clip mounting and lavalier cord.

687B Ideal for stationary announcing and paging applications. On-off switch for microphone and accessory equipment operation.

668A Ideal for high-intelligibility voice communication systems. Impact-resistant case. Push-to-talk switch with audio muting feature for accessory equipment operation.

699A Special noise-cancelling microphone with amplifier for use in telephone-type handsets. Black finish.

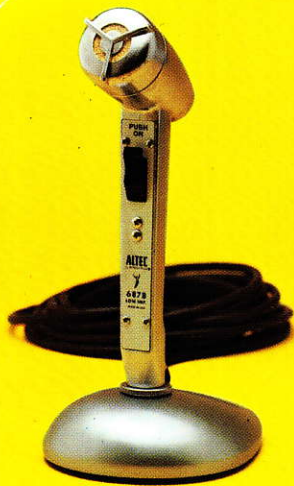
Condenser Microphones

M53 Cardioid pickup pattern. Ideal for high-precision applications. Requires 12V to 50V dc phantom power (supplied by 1588C preamplifier). Includes windscreen and holder.

M54 Omnidirectional version of the M53.

624A Omnidirectional lavalier microphone. Uses 1.3-volt mercury battery. Up to 110-hour battery life. On-off switch connector. Supplied with tie/lapel clip.

626A Uses 1.35-volt mercury battery. Up to 700-hour battery life. Supplied with both omnidirectional and cardioid cartridges, cable, and slip-on swivel adaptor. On-off switch. Windscreen. Nonglare nickel finish.



687B



677B



699A



624A



MICROPHONE STANDS AND ACCESSORIES

Model	Height	Base	Stem Assembly
UMS-100	35 to 63"	10" Diam. black wrinkle	Bright Chrome
UMS-101	34 to 62"	10" Diam. bright chrome	Bright Chrome
UMS-102	34 to 62"	10" Diam. bright chrome	Bright Chrome
UMS-103	36 to 63"	12" Diam. black wrinkle	Bright Chrome
UDS-100	4" only	6" Diam. black wrinkle	Bright Chrome
UDS-101	8 to 13"	6" Diam. black wrinkle	Bright Chrome

Model UGN. Flexible "goose necks" may be used with any mic stand for hard to reach applications. Bright Chrome finish.

Model UGN-106: 6 inches; **Model UGN-113:** 13 inches; **Model UGN-119:** 19 inches.

Model UBB-100. Boom attachment, features a solid machined brass swivel mount. Fits securely on any standard floor stand. Bright Chrome finish.

Model UBS-100. Boom swivel mount used on UBB-100. Available as a replacement, or can be used to mount several mics to one floor stand.

Model	Type	Pickup Pattern	Frequency Response	Output Level**	Finish	Dimensions	Weight
*M53	Condenser	Cardioid	20-20,000 Hz	-40 to -72 dBm (adjustable in -8 dB steps)	Nonreflective Satin Chrome Microplate	3/4" (1.9 cm) dia. x 5 3/8" (14.7 cm) long (cartridge and base)	3.4 oz-96 gm
*M54	Condenser	Omnidirectional	20-15,000 Hz	-40 to -72 dBm (adjustable in -8 dB steps)	Nonreflective Satin Chrome Microplate	3/4" (1.9 cm) dia. x 5 3/8" (14.7 cm) long (cartridge and base)	3.4 oz-96 gm
624A	Electret condenser lavalier	Omnidirectional	70-15,000 Hz	-57 dBm	Brushed Chrome Plate w/Black Trim	3/8" (1.4 cm) dia. x 1 3/4" (4.4 cm) long	0.75 oz-21 gm
626A	Electret condenser	Cardioid or Omnidirectional	50-15,000 Hz	-48 dBm (switch out) -58 dBm (switch in)	Matte Satin Nickel	1 3/4" (4.4 cm) dia. x 8" (20.3 cm) long	8 oz-227 gm
650BL/BH	Dynamic moving coil	Cardioid	50-15,000 Hz	-56 dBm	Satin Chrome Finish	1 3/4" (4.4 cm) dia. x 7 1/4" (18.4 cm) long	8.6 oz-244 gm
654A	Dynamic moving coil	Cardioid	50-15,000 Hz	-56 dBm	Matte Satin Nickel	2" (5.1 cm) dia. x 7 1/4" (18.4 cm) long	8.5 oz-241 gm
655AL	Dynamic moving coil	Omnidirectional	50-15,000 Hz	-56 dBm	Matte Nickel	1 1/2" (3.8 cm) dia. x 6 1/2" (16.5 cm) long	6.75 oz-191 gm
656AL	Dynamic moving coil	Cardioid	60-15,000 Hz	-62 dBm	Matte Nickel	1 1/2" (3.8 cm) dia. x 6 1/2" (16.5 cm) long	6.75 oz-191 gm
668A	Dynamic moving coil, close talking, hand held	Omnidirectional	100-5000 Hz	-60 dBm	Impact-Resistant Plastic	2 1/2" (6.4 cm) H 3 5/8" (9.2 cm) W 2" (5.1 cm) D	4.5 oz-128 gm
677B	Dynamic moving coil, lavalier	Omnidirectional	70-12,000 Hz	-58 dBm	Dark Green Baked Enamel	7/8" (2.2 cm) dia. x 1 3/8" (3.5 cm) long	0.91 oz-26 gm
687B	Dynamic moving coil, announce and paging, w/stand	Omnidirectional	50-15,000 Hz	-58 dBm	Satin Chrome	7 1/4" (19.1 cm) high 3" (7.6 cm) deep 1 5/8" (4.1 cm) dia.	16 oz-454 gm
699A	Noise-cancelling dynamic moving coil w/built-in amplifier for G-1 telephone handsets	Omnidirectional	100-5000 Hz	-31 dB; 1 volt at 1 dyne/cm ²	Mounts in G1 Telephone Handset	2" (5.1 cm) dia. x 1" (2.5 cm) high	1.5 oz-43 gm

Note: All models have a nominal 200-ohm (low) impedance except the M53/M54, which have a 150-ohm impedance.

*The M53/M54 require 12V to 50V dc, 5 mA or less phantom power (can be supplied by 1588C preamplifier).

**Referenced to 10 dynes/cm²

ALTEC
AUTHORIZED PRICE LIST
 GSA Contract #GS-00S-07116

Wtms.
Model #

Description

Spec.
Item #

Govt. Net Price
(Discount Deducted)

INDUSTRIAL SOUND PRODUCTS

AMPLIFIERS, POWER SUPPLIES & ACCESSORIES

351C	Amplifier (50 watt)	174-20-1	\$ 360.00
357A	Tone Generator	174-20-1	126.00
1177A	Travel Case for 9477B	174-20-1	69.00
1219B	Portable Biamp Power Speaker System	174-20-1	870.00
1220AC	Control Console (Case Included)	174-20-1	2,475.00
1224A	Electronic Crossover Biampifier	174-20-1	360.00
1552A	VU Meter Panel	174-20-1	114.00
1554A	Power Distribution Panel	174-20-1	126.00
1579C	Phono Preamplifier (plug-in)	174-20-1	48.00
1588B	Preamplifier (plug-in)	174-20-1	33.00
1588C	Preamplifier (plug-in)	174-20-1	45.00
1589B	Preamplifier	174-20-1	216.00
1590C	Amplifier (200 watt)	174-20-1	540.00
1592B	Mixer Amplifier	174-20-1	453.00
1593B	Amplifier (50 watt)	174-20-1	354.00
1594B	Amplifier (100 watt)	174-20-1	417.00
1597A	Monitor Speaker Panel	174-20-1	108.00
1598A	Amplified Monitor Speaker Panel	174-20-1	222.00
1599A	Six Input Microphone Mixer	174-20-1	264.00
1603A	SEQUR Amplifier Coupler	174-20-1	126.00
1605B	NOALA Unit	174-20-1	594.00
1606A	Mixer Power Amplifier (40 watt)	174-20-1	420.00
1607A	Mixer Power Amplifier (75 watt)	174-20-1	630.00
1608A	Mixer Power Amplifier (150 watt)	174-20-1	810.00
1609A	Commercial Biampifier	174-20-1	675.00
1611A	Mixer Power Amplifier (25 watt)	174-20-1	270.00
1612A	Limiter Amplifier	174-20-1	525.00
1614A	Frequency Shifter	174-20-1	897.00
1626A	In-wall Amplifier	174-20-1	588.00
1628A	Automatic Microphone Mixer	174-20-1	990.00
9440A	Amplifier (800 watt)	174-20-1	999.00
9477B	Power Amplifier (130 watt) (Less Case)	174-20-1	480.00
10280	Blank Panel (1 3/4")	174-20-1	7.50
10281	Blank Panel (3 1/2")	174-20-1	9.75
10282	Blank Panel (5 1/4")	174-20-1	9.00
10283	Blank Panel (7")	174-20-1	10.50
10284	Blank Panel (8 3/4")	174-20-1	10.50
10399	Blank Panel Perforated (1 3/4")	174-20-1	7.50
10440	Blank Panel (10 1/2")	174-20-1	12.00
10441	Blank Panel (12 1/4")	174-20-1	13.50
13690	Touch Up Paint (ALTEC Green)	174-20-1	9.00
14678A	Compressor Assembly (1607A, 1608A)	174-20-1	99.00
15036	Repeat Coil	174-20-1	90.00
15095A	Plug-in Transformer	174-20-1	27.00
15335A	Plug-in Transformer	174-20-1	27.00
15356A	Plug-in Transformer	174-20-1	27.00
41780B	Back Box (1626A)	174-20-1	36.00
42500A	VU Meter Assembly (1592B, 1607A, 1608A)	174-20-1	63.00
42526	Shelf Cover (1606A, 1607A)	174-20-1	54.00
42625	Shelf Cover (1608A)	174-20-1	54.00

EQUALIZERS AND FILTERS

729A	Acousta Voicette Stereo Equalizer	174-20-1	\$ 972.00
1650	One-third Octave Equalizer	174-20-1	840.00
8080B	Pink Noise Generator	174-20-1	150.00
9025-1	Dividing Network (500 Hz)	174-20-1	75.00
9025-2	Dividing Network (800 Hz)	174-20-1	75.00

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INDUSTRIAL SOUND PRODUCTS (Continued)

EQUALIZERS AND FILTERS (Continued)

9431A	Digital Delay (Basic Frame)	174-20-1	\$2,700.00
9432A	Memory Module (9431-A)	174-20-1	495.00
9433A	Output Module (9431-A)	174-20-1	525.00
9434A	Extension Frame (9431-A)	174-20-1	1,725.00
9880A	Active Filter	174-20-1	336.00
30904	Attenuator/Equalizer	174-20-1	18.00

LOUDSPEAKERS AND ACCESSORIES

A7-8	Voice of the Theatre System (Utility)	174-20-1	557.00
A7-8 Kit	Speaker Components (Less Cabinet)	174-20-1	353.00
A7-500-8	Voice of the Theatre System (Utility)	174-20-1	589.00
A7-500-8 Kit	Speaker Components (Less Cabinet)	174-20-1	385.00
A8	Voice of the Theatre System	174-20-1	504.00
27A	Receiver Attachment (31A)	174-20-1	21.00
31A	Horn (Less 27A Attachment)	174-20-1	108.00
32B	Horn	174-20-1	63.00
203B	H.F. Horn (1 x 2 — 300 Hz)	174-20-1	225.00
210	L.F. Horn (Two L.F. Loudspeakers)	174-20-1	495.00
211A	L.F. Horn (Two L.F. Loudspeakers)	174-20-1	534.00
288-8G	H.F. Driver Unit (8Ω)	174-20-1	252.00
288-16G	H.F. Driver Unit (16Ω)	174-20-1	252.00
290-4G	Compression Driver	174-20-1	282.00
291-16A	H.F. Driver Unit	174-20-1	177.00
291-16B	H.F. Driver Unit	174-20-1	282.00
292-8A	H.F. Driver Unit	174-20-1	249.00
311-60	Sectoral Horn	174-20-1	150.00
311-90	Sectoral Horn	174-20-1	225.00
403A	Speaker (8")	174-20-1	12.00
403T	Speaker (8") (w/Xfmr)	174-20-1	25.00
405A	4" Wide Range Speaker	174-20-1	18.00
405-8G	Speaker (4")	174-20-1	13.50
405T	Speaker (4") (w/Xfmr)	174-20-1	26.00
409-8C	Speaker (8")	174-20-1	16.50
409T	Speaker (8") (w/Xfmr)	174-20-1	29.00
411-8A	15" Bass Speaker	174-20-1	134.00
414-8C	12" Bass Speaker	174-20-1	104.00
416-8B	15" Bass Speaker	174-20-1	119.00
417-8H Series II	Hi-Power Guitar Speaker, 12"	174-20-1	112.50
418-8H Series II	Hi-Power Guitar Speaker, 15"	174-20-1	120.00
421-8H Series II	Hi-Power Bass Speaker, 15"	174-20-1	127.50
425-8H Series II	Hi-Power Guitar Speaker, 10"	174-20-1	105.00
N-500C	Network	174-20-1	90.00
N-500F	Network (500 Hz — 16Ω)	174-20-1	168.00
N501-8A	Network (500 Hz)	174-20-1	75.00
511A	Horn	174-20-1	102.00
511B	Horn	174-20-1	83.00
511E	Horn	174-20-1	150.00
515B	L.F. Speaker	174-20-1	174.00
604-8G	15" DUPLEX Monitor Speaker (incl. Network)	174-20-1	300.00
612C	Cabinet (Utility, for 15" Speaker)	174-20-1	135.00
614D	Cabinet (Utility, for 12" Speaker)	174-20-1	108.00
616-8A	Ceiling Speaker	174-20-1	234.00
617-8A	12" Ceiling Speaker	174-20-1	147.00

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Wtts.
Model #

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Spec.
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INDUSTRIAL SOUND PRODUCTS (Continued)

LOUDSPEAKERS AND ACCESSORIES (Continued)

619-8A	15" Ceiling Speaker	174-20-1	\$ 195.00
620A	Cabinet (Furniture, for 15" Speaker)	174-20-1	285.00
755E	Wide Range Speaker (8")	174-20-1	48.00
N-800D	Network (800 Hz — 16Ω)	174-20-1	75.00
N801-8A	Network (800 Hz)	174-20-1	75.00
803B	H.F. Horn (2 x 4 — 300 Hz) (Less Throat)	174-20-1	270.00
805B	H.F. Horn (2 x 4 — 500 Hz) (Less Throat)	174-20-1	264.00
808-8A	H.F. Driver	174-20-1	120.96
N809-8A	Network (800 Hz)	174-20-1	72.00
811B	H.F. Horn	174-20-1	71.00
814A	Extenda-Voice Speaker (Single Speaker)	174-20-1	216.00
815A	L.F. Horn (Two L.F. Loudspeakers)	174-20-1	282.00
816A	L.F. Horn (One L.F. Loudspeaker)	174-20-1	147.00
828B	L.F. Horn (One L.F. Loudspeaker)	174-20-1	204.00
849A	Column Speaker System	174-20-1	210.00
1003B	H.F. Horn (2 x 5 — 300 Hz) (Less Throat)	174-20-1	318.00
1005B	H.F. Horn (2 x 5 — 500 Hz) (Less Throat)	174-20-1	312.00
1111A	Cover for 1204B	174-20-1	24.00
1114A	Rotating Chrome Stand for 1211A	174-20-1	57.00
1115A	Vinyl Cover for 1211A	174-20-1	30.00
1117A	Vinyl Cover for 1217A	174-20-1	39.00
1204B	Voice of the Theatre Speaker System	174-20-1	570.00
1208B	Voice of the Theatre Speaker System (Utility)	174-20-1	522.00
1208B Kit	Speaker Components (Less Cabinet)	174-20-1	372.00
1211A	Two Way Column Monitor Speaker	174-20-1	216.00
1217A	Deluxe Two Way Column Speaker	174-20-1	390.00
1218A	Portable Voice of the Theatre Speaker System	174-20-1	570.00
1221A	Stage Monitor Speaker System	174-20-1	447.00
1505B	H.F. Horn (3 x 5 — 500 Hz) (Less Throat)	174-20-1	432.00
9844A	Monitor Speaker (Utility)	174-20-1	558.00
9845A	Monitor Speaker (Utility)	174-20-1	648.00
9846-8A	Monitor Speaker (Utility)	174-20-1	563.00
9849-8A	Monitor Speaker (Utility)	174-20-1	435.00
9849-8D	Monitor Speaker (Furniture)	174-20-1	468.00
13691	Touch Up Paint (Theatre Gray)	174-20-1	9.00
21216	Adapter (1" Throat to 1.4" Throat)	174-20-1	21.00
30162	Horn Throat (Single, for 803B, 805B)	174-20-1	21.00
30166	Horn Throat (Single, for 1505B)	174-20-1	24.00
30170	Horn Throat (Double, for 1003B, 1005B)	174-20-1	36.00
30172	Horn Throat (Double, for 1505B)	174-20-1	36.00
30210	Horn Throat (Single, for 1003B, 1005B)	174-20-1	18.00
30546	Adapter 45° (288, 290, 291, 292)	174-20-1	27.00
30619	Adapter 90° for 511A	174-20-1	22.50

70 VOLT MATCHING TRANSFORMERS

15045A	Transformer (100 watt)	174-20-2	\$ 54.00
15064	Transformer (1 watt)	174-20-2	24.00
15065	Transformer (8 watt)	174-20-2	27.00
15066	Transformer (32 watt)	174-20-2	39.00
15067	Transformer (150 watt)	174-20-2	39.00
15074	Transformer (4 watt)	174-20-2	18.00
15075A	Transformer (15 watt)	174-20-2	15.00
15132	Transformer (4 watt)	174-20-2	11.25
15313	Transformer (30 watt)	174-20-2	24.00
21256	Weatherproof Transformer Housing	174-20-2	24.00

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INDUSTRIAL SOUND PRODUCTS (Continued)			
MICROPHONES			
M53	Cardioid Condenser	174-20-1	\$ 245.00
M54	Omni Condenser System	174-20-1	245.00
624A	Electret Lavalier Mic	174-20-1	77.00
626A	Electret Condenser Mic	174-20-1	182.00
650BH	Cardioid Dynamic (Hi-Z)	174-20-1	120.00
650BL	Cardioid Dynamic (Lo-Z)	174-20-1	116.00
654A	Cardioid Dynamic Mic	174-20-1	126.00
655AL	Omnidirectional Dynamic	174-20-1	93.00
656AL	Cardioid Dynamic Mic	174-20-1	93.00
668A	Close-Talk Omnidirectional Dynamic	174-20-1	66.00
677B	Lavalier Dynamic Mic	174-20-1	71.00
687B	Paging/Announce Mic	174-20-1	87.00
699A	Noise Cancelling Dynamic	174-20-1	74.00
MICROPHONE ACCESSORIES			
34A	Desk Stand w/Shock Mount	174-20-2	\$ 21.00
35A	Gooseneck and Mounting (677B)	174-20-2	21.00
39A	Matching Transformer	174-20-2	30.00
183A	Cable Set (with Transformer)	174-20-2	36.00
189A	Holder (M53, M54, 650BH/L, 655AL, 656AL)	174-20-2	3.75
FLOOR STANDS			
UMS100	Microphone Stand	174-20-2	\$ 12.60
UMS101	De-Luxe Stand, Chrome Base	174-20-2	15.60
UMS102	Microphone Stand	174-20-2	13.20
UMS103	Professional Mic Stand	174-20-2	19.80
DESK STANDS			
UDS100	Non Adjustable Stand	174-20-2	\$ 4.50
UDS101	Adjustable Desk Stand	174-20-2	7.20
BOOM ACCESSORIES			
UBB100	Baby Boom Arm	174-20-2	\$ 10.20
UBS100	Boom Swivel Adaptor	174-20-2	6.60
ADAPTORS			
UAD100	5/8"-27 female to 1/2" pipe thread male (RCA)	174-20-2	\$ 1.40
UAD101	3/4" long, 5/8"-27 male running thread	174-20-2	.90
UAD102	5/8"-27 female to 5/8"-27 female, coupling	174-20-2	1.20
UAD103	3" long tube, 5/8"-27 male each end	174-20-2	1.40
UAD104	6" long tube, 5/8"-27 male each end	174-20-2	1.40
UAD105	Flange, 5/8"-27 female, Base Diameter 2"	174-20-2	1.40
UAD106	Flange, 5/8"-27 male, Base Diameter 2"	174-20-2	1.40
UAD107	12" long tube, 5/8"-27 male each end	174-20-2	2.60
UAD108	24" long tube, 5/8"-27 male each end	174-20-2	3.90
STAND ACCESSORIES			
UGN106	Goose Neck — 6" Long	174-20-2	\$ 2.70
UGN113	Goose Neck — 13" Long	174-20-2	3.60
UGN119	Goose Neck — 19" Long	174-20-2	5.10
US01	Snap-On Mic Accessory	174-20-2	4.50