



Coral

CORAL HIGH-POWER SERIES

# 150W BX-1500



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Archiv Michael-Otto*

- 1) 15" 6-WAY 7 SPEAKER SYSTEM
- 2) 150W INPUT POWER AND HIGH EFFICIENCY
- 3) 20~25,000HZ FREQUENCY RESPONSE
- 4) DESIGNED FOR USE WITH CHANNEL AMPLIFIER
- 5) SPECIALLY DESIGNED LEVEL CONTROL AND INPUT CONNECTION WITH JACKS AND TERMINALS



Try TA-7700 for use with BX-1500 System

# BX-1500

## 15" 6-Way 7-Speaker System

### ULTRA-HIGH (150W) INPUT LEVEL AND HIGH (102 dB) EFFICIENCY RATING:

The 150W input level makes the system fit for use even in a large hall, particularly when it is combined with an amplifier having a large output rating. But, on the other hand, the system is designed operable with a small output amplifier by virtue of its high (102 dB) rate of efficiency.

### 38 CM (15") WOOFER:

Both the large magnet-based powerful magnetic circuit and the large-diameter voice coil used in this system are of the size and caliber that will adequately serve in an 18" class speaker system. A long-travel voice coil and the free edge, both unique to CORAL products, complement the above for perfect sound reproduction. The large input, high efficiency, minimum distortion and low frequency of resonance features are affirmed characteristics of this speaker system.

### 16 CM (6 1/2"), 12 CM (5"), AND HORN TYPE MIDRANGE:

Two cone type and one horn type midrange are installed for mid-range sound reproduction. The cone midrange is of the dome and radiator type, made of super duralumin. This assures homogeneous sound reproduction combined with a harmonious blend of mid and high range sounds. The 12 cm midrange is enclosed in a completely-sealed frame as a hedge against the harmful effects of the sound pressures from the woofer, from which a clear-cut reproduction has resulted. The appropriate damping effect is obtained from a newly-developed damper which assures flat characteristics for the sounds in every range. The horn midrange used is the type that has earned an outstanding reputation as the component of Model BX-700 as well as of Model BX-710. Based on the film diaphragm principle, this midrange reproduces the sleek mid-range sound characteristic of the horn type midrange reproduction.

### 9 CM (3 1/2") AND DUAL HORN TWEETERS:

The high range is reproduced by a 9 cm cone tweeter but a set of two horn tweeters provided covers the reproduction of sounds in the ultra-high range. The 9 cm cone tweeter is comprised by a powerful magnetic circuit and a large-diameter voice coil made up of aluminum wires and, hence, light-weight. The combination of those choice components have made it possible to design a system which features both a large input capacity and an outstanding efficiency rating. The horn type super tweeter has the film diaphragm construction which has contributed to making the vibration system compact in size and weight. Ultra-high sounds up to 25,000 Hz are reproducible.

### INDEPENDENT DRIVE BY CHANNEL AMPLIFIER (UNIT DRIVE):

An independent input terminal is provided on the rear panel for each one of the sound ranges, namely, HIGH, MEDIUM and LOW. The individual sound ranges can therefore be driven independent of others in the channel amplifier (UNIT DRIVE) procedure.

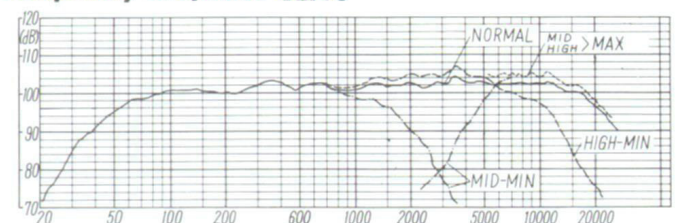
When the system is operated in the UNIT DRIVE procedure, the volume control need be effected on the amplifier side inasmuch as the attenuator is not located inside the speaker circuit. In carrying out the UNIT DRIVE by channel amplifier, make sure each sound range is driven within its specified frequency limits.

When connecting the amplifier with the speaker system, exercise care to ensure that the output of the amplifier is not overly in excess of the specified input level. This is important for the reason that the speakers for the medium and for the high sound range can suffer damage if they are subjected to frequencies lower than their specified levels and, thus, shocked.



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### Frequency Response Curve



### Specifications

Speakers:	15" Woofer 6 1/2" Cone-type mid-range 5" Cone-type mid-range Horn-type mid-range 3 1/2" Cone-type tweeter 2-Horn-type tweeters
Music Power Input:	150 watts
Sensitivity:	102 dB/W
Freq. Response:	20-25,000 Hz.
Crossover Frequency:	800 1,000. 2,000 5,000. 7,000 Hz
Impedance:	8 ohms.
Cabinet:	Bass-reflex Type
Dimensions:	27 1/8" (H) x 19 1/8" (W) x 15 1/8" (D)
Net Weight:	81.5 Lbs.

Authorized Dealer:



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