

Aviation Headsets and Headphones - A-610-1, A-610-2 & MRB-600 C €

General Description

The Telex Models A-610-1 and A-610-2 are economical, lightweight aviation headphones featuring magnetic receivers. The A-610-1 has vinyl ear cushions, and the A-610-2 has molded plastic earcups. The Model MRB-600 is a lightweight headset that features magnetic receivers, vinyl ear cushions and a boom-mounted, noise-canceling carbon microphone. A-610-1 and A-610-2 are approved under FAA - TSO C57.



Model
A-610-1



Model
A-610-2



Model
MRB-600

Design Features

The receiver housings are constructed of high-impact plastic. The headband consists of two spring-steel wires sheathed in vinyl. The headband wires extend down through slots in each receiver housing and provide a minimum of 2-1/2 inches (63.5 mm) vertical adjustment. The headband wires terminate in plastic dress caps to prevent disengagement of the receiver housings. The receiver housings are capable of limited rotation to fit the head contour.

The MRB-600 microphone boom is a square aluminum extrusion. It adjusts back and forth at least four inches (101.6 mm), and rotates 310 degrees to permit the microphone to be used on either the left or right side. The microphone is contained in a high impact plastic housing with front and back plastic mesh grills to prevent foreign particles from reaching the diaphragm.

For best noise cancellation the microphone should be positioned as close to the mouth as possible. A position at one side of the mouth is best to minimize popping, hissing and breathing sounds when speaking.

Specifications

Receivers:

Type: Magnetic

Impedance: 600 ohms

(matches 150 to 600 ohm radio output)

Freq. Response: 100 - 5,000 Hz

Sensitivity¹: 100 dB

Microphone (MRB-600 Only):

Type: Noise-canceling carbon

Matching Impedance: 50 - 150 ohms

Freq. Response: 200 - 4,500 Hz

Sensitivity²: -48 dB

Operating Voltage: 8 - 30 VDC

Unit

Plugs:

A-610-1 & A-610-2: Molded, PJ-055 equivalent

MRB-600: Molded, PJ-055 equivalent for headphones;

Molded, PJ-068 equivalent for microphone

Cord: 5.5 ft (1.7 m) straight

Gross Weight:

A-610-1: 8 oz. (227 g)

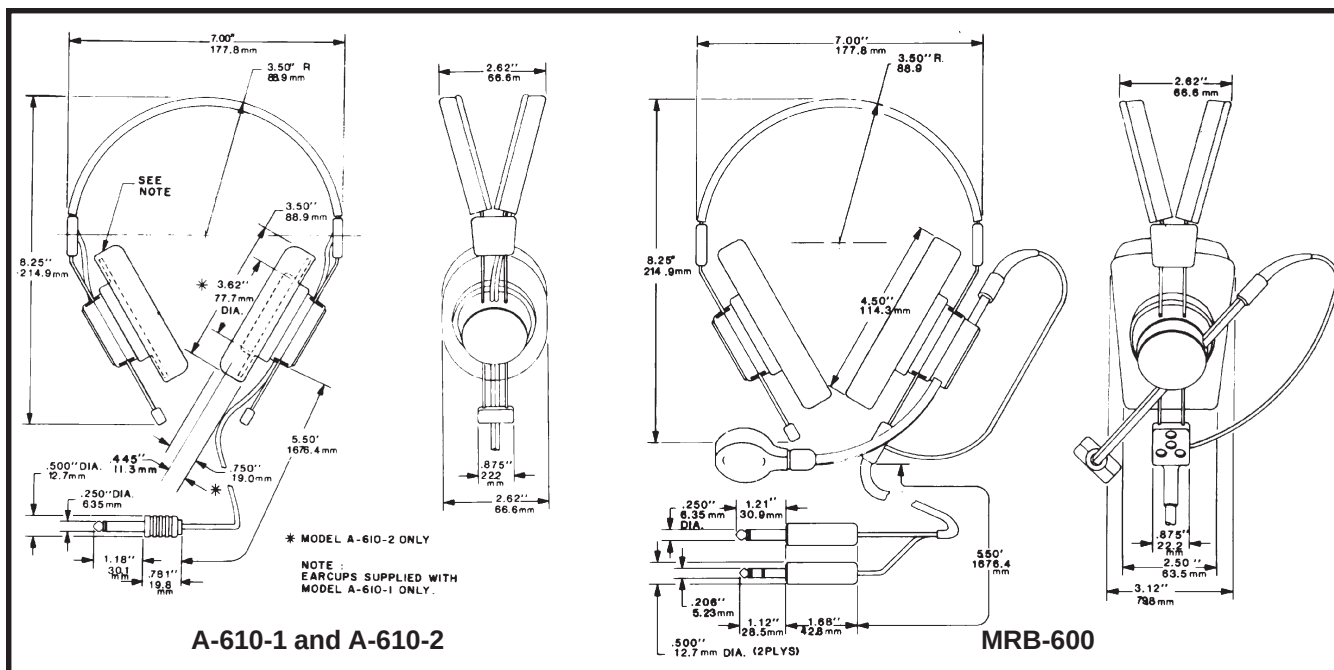
A-610-2: 7 oz. (196 g)

MRB-600: 12 oz. (340 g)

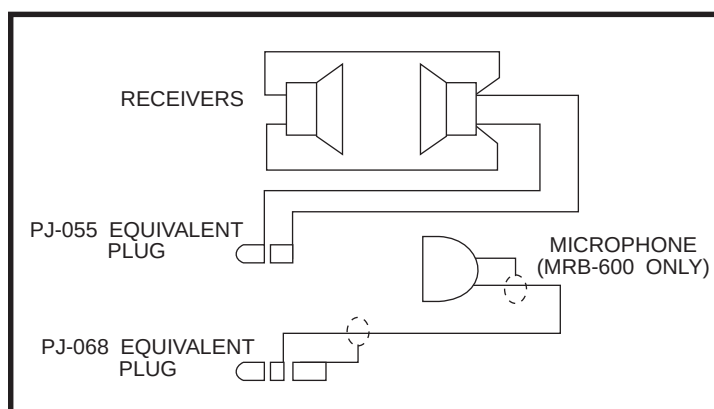
Color: Black

¹ Ref: 0.0002 Dynes/cm², 1 mW input @ 1 kHz

² Ref: 1V/mbar at 1 kHz, 12 VDC supply, 100-ohm load



Dimension Drawings



Schematic Diagram

Ordering Information

Model A-610-1 Headphones with vinyl ear cushions	61650-001
Model A-610-2 Headphones with plastic earcups	61650-005
Model MRB-600 Headset with carbon microphone and vinyl ear cushions	62640-001
Model PT-300 Push-To-Talk Switch*	63966-000

*For use with the MRB-600 when the aircraft does not have a built-in PTT switch.

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