



## **ABox260**

Anechoic Box for ear-speaker testing  
in factory environments.

## **User's Manual**



No. : BSWA-III-Abox260-03-0026

Ver. : V1.00

## 1. Introduction

ABox260 is a small anechoic box fitted with modified Type 3.2 simplified pinna simulator. It uses with IEC 711 artificial ear coupler (not included) for testing earspeakers in the factory environments. ABox260 meets the ITU – T Rec. P.57 Artificial Ear Type 3.2 high-leak requirements.

## 2. Features

- ◆ According to *ITU – T Recommendation. P.57 “Artificial Ear” (11/2005) Type 3.2 with high-leak simplified pinna simulator*
- ◆ Special design anechoic box for artificial ear
- ◆ Special design silencer to reduce factory noise influence.

## 3. Usages

- ◆ High volume ear speaker testing based on Type 3.2 high leak ear in factory environments.

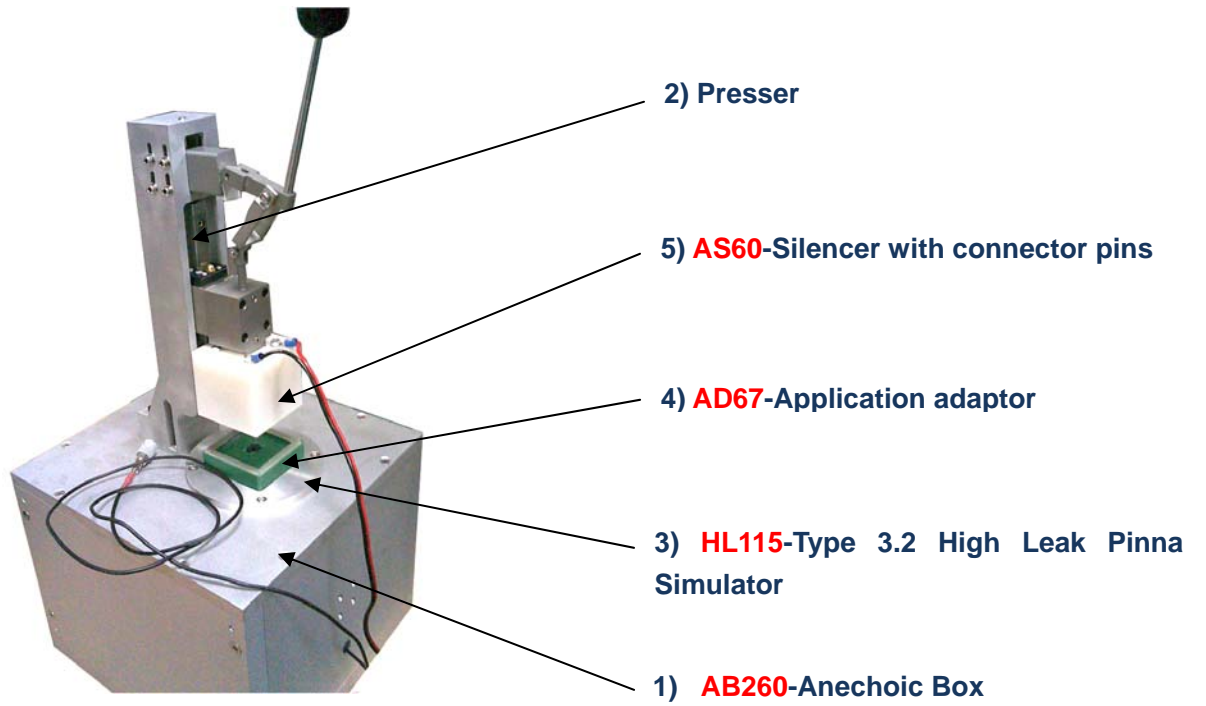
## 4. Specifications

<b>Reference Standard</b>	ITU-TRec.P57 (11/2005) Type 3.2 High Leak
<b>Outer Dimension</b>	260 x 250 x 500 mm (with presser)
<b>Weight</b>	8 kg

## 5. Standard packages

ABox260 is delivered with the following standards Items

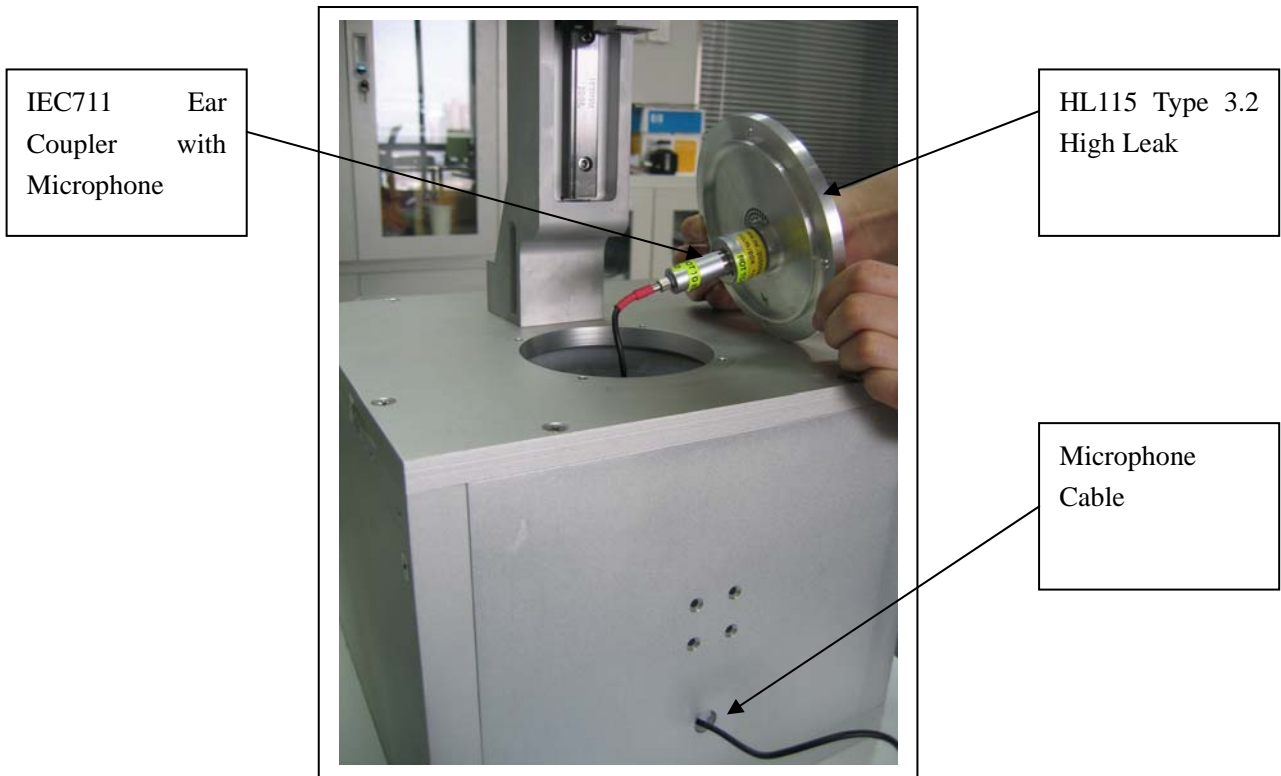
Model No.	Descriptions	Quantities	Notes
AB260	Anechoic box with absorption material inside, and Presser	1	
HL115	Type 3.2 High Leak Pinna Simulator specially designed for fixed with ABox260	1	
ABox260 Manual	User's Manual	1	
ABox260Testing Report	QC testing report with acoustical Input Impedance	1	◇



## 6. Installation

**Please follow the installation procedures carefully.**

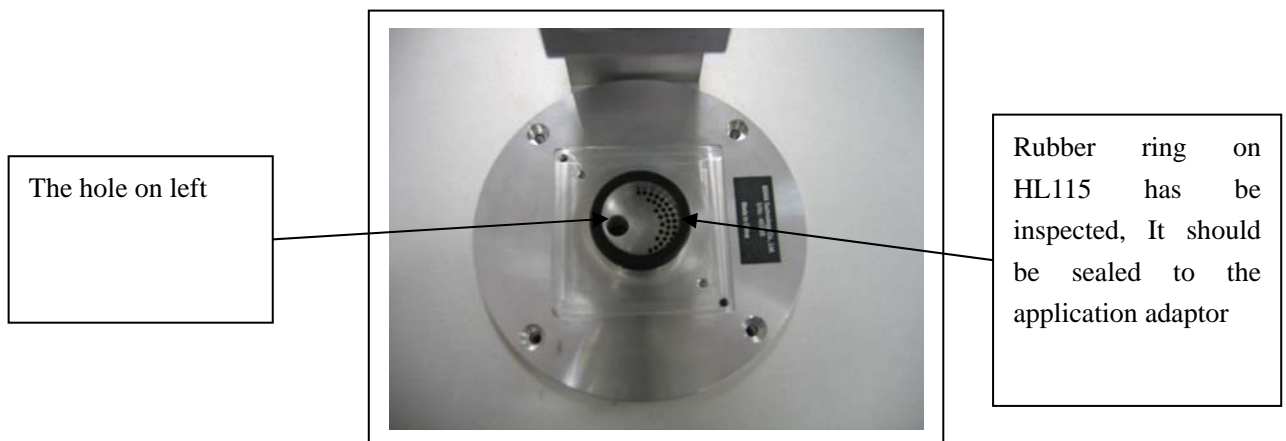
Step 1: Install IEC711 artificial ear coupler to the HL115. See Photo 1;



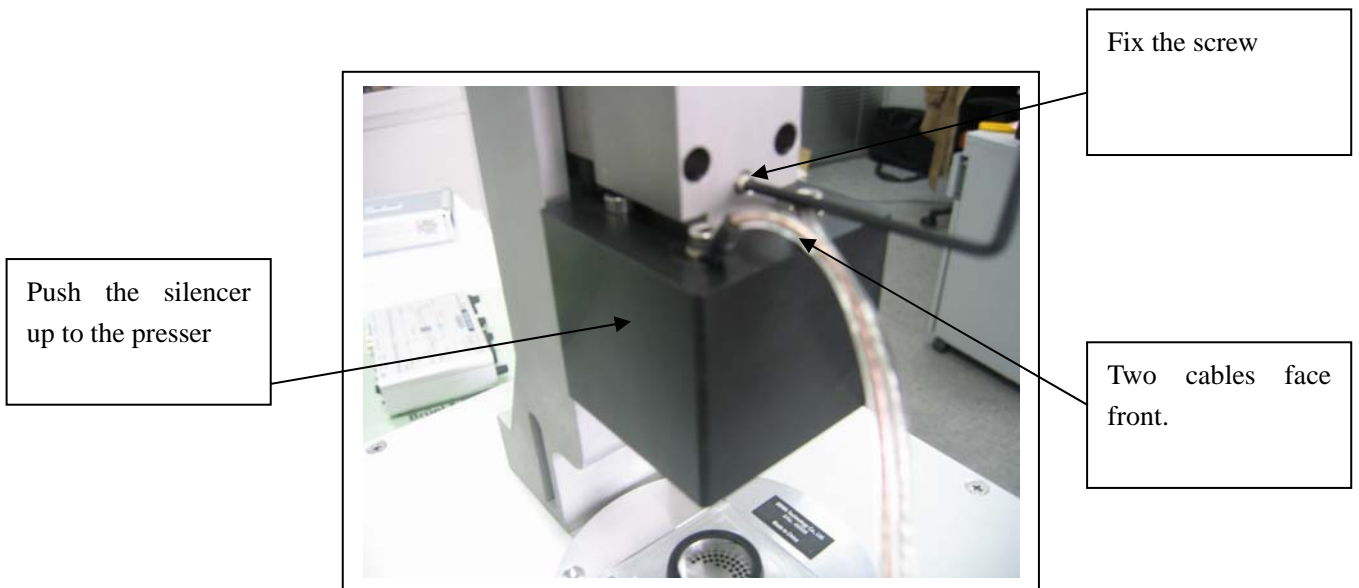
Step 2: Connect the microphone cable

Step 3: Put HL115 on top of ABox260; **please make sure the orientation so that the big hole is on your left hand side. See Photo 2;**

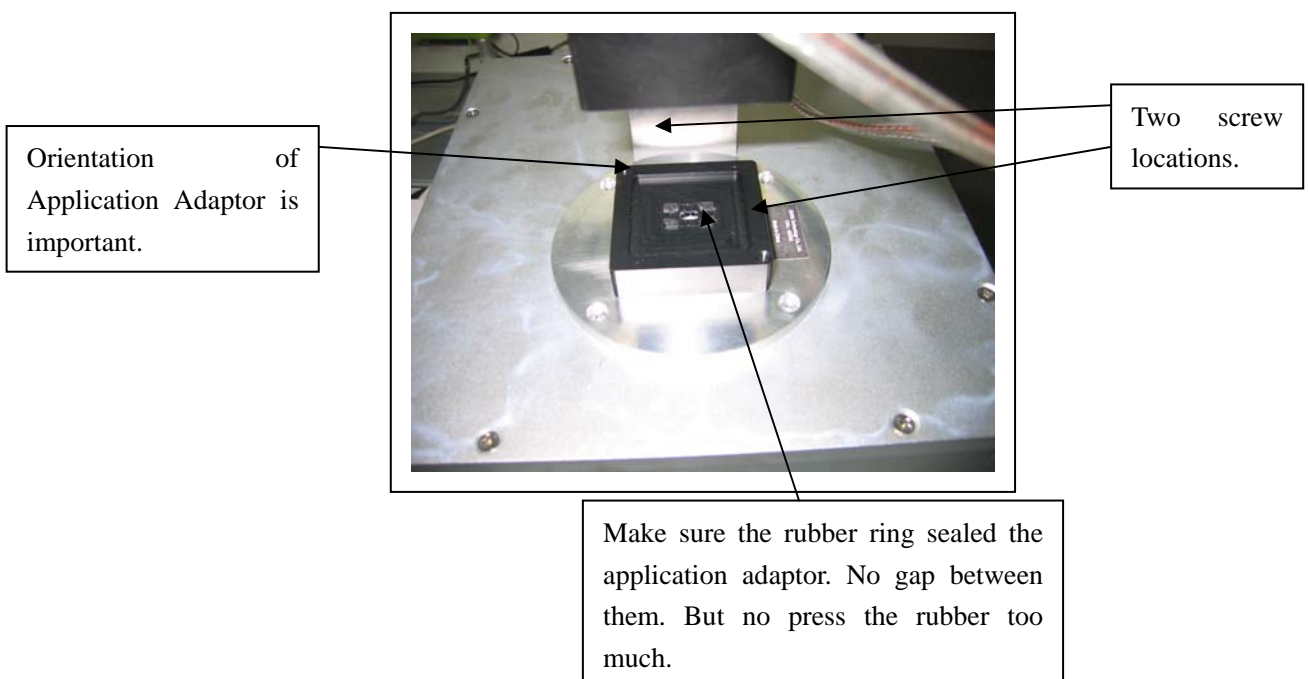
Fix four screws.



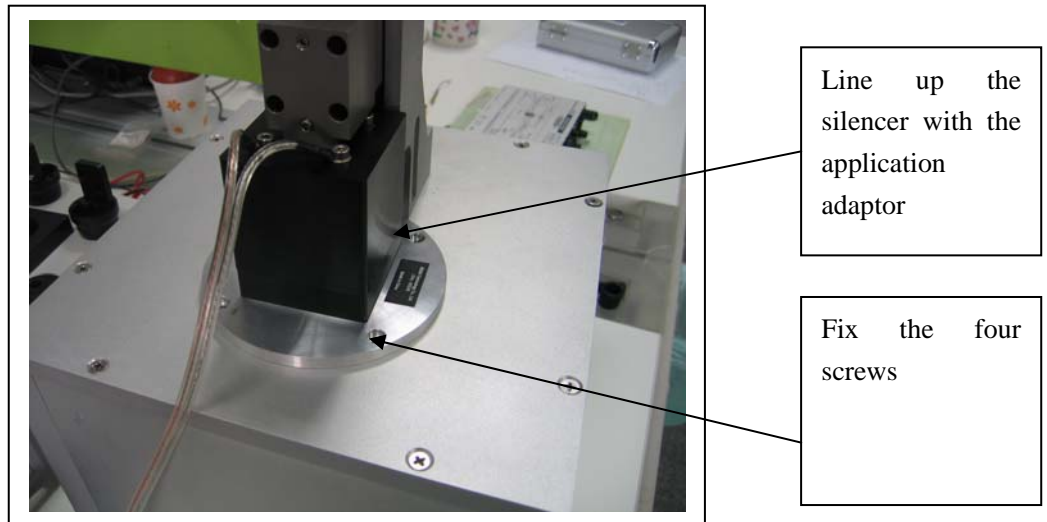
Step 4: Install the Silencer to the presser; two cables face front and push the Silencer to the end, Fix the screw with Hex Key. See Photo 3



Step 5: Install the Application Adaptor on HL115. Before the installation, please inspect the rubber ring on HL115, make sure it is in good condition with on creaks. Put the application adaptor on top of HL115, The orientation should be as shown in Photo 4. It is important to make sure the rubber ring sealed the Adaptor. (no gap between rubber ring and application adaptor). Secure the adaptor with two screws.



Step 6: Push the silencer down, line up with the application adaptor, and then secure the HL115 with four screws. See Photo 5.



Step 7: Connecting microphone cable and earspeaker cables to the audio analyzer (VA-Audio).

The ABox260 is ready for testing.

## 7. Optional items

**The following optional items are available from BSWA**

**BSWA Model No:**

AD67

**Application Adaptor with 7x11 and 6x15 mm earspeakers**

AS60

**Silencer with connectors**

AE 711

**IEC 711 Artificial Ear Coupler**

MPA251

**ICP Microphone and Preamplifier**

MC3622

**VA-Audio Analyzer hardware**

VA-Audio

**VA-Audio Analyzer software**

Note: ICCP = Integrated Constant Current Power.

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