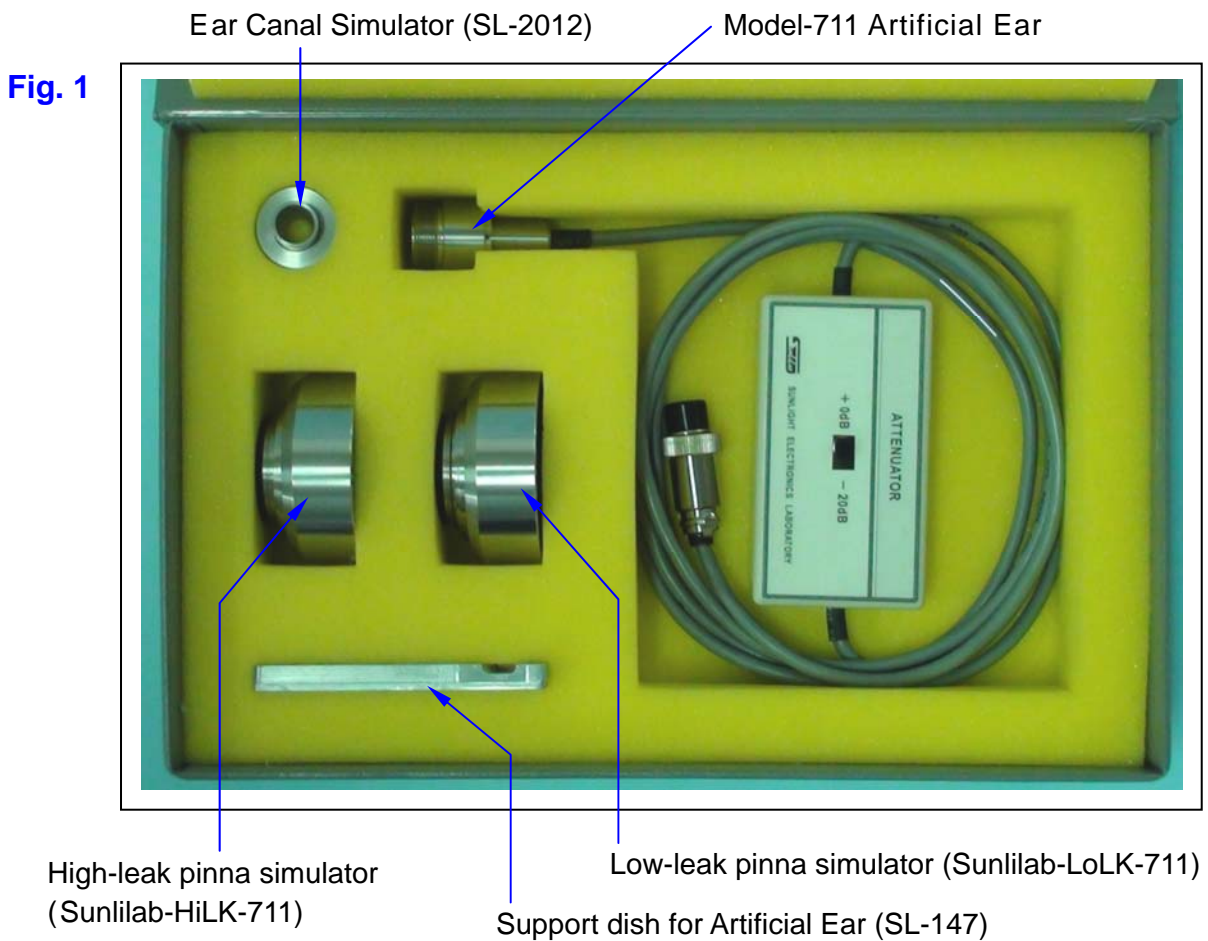


Model-711 Artificial Ear and Accessories (Pinna simulator)

Mar. 23 , 2011

Fig. 1 **Box to put the** artificial ear and accessories :



Explanation :

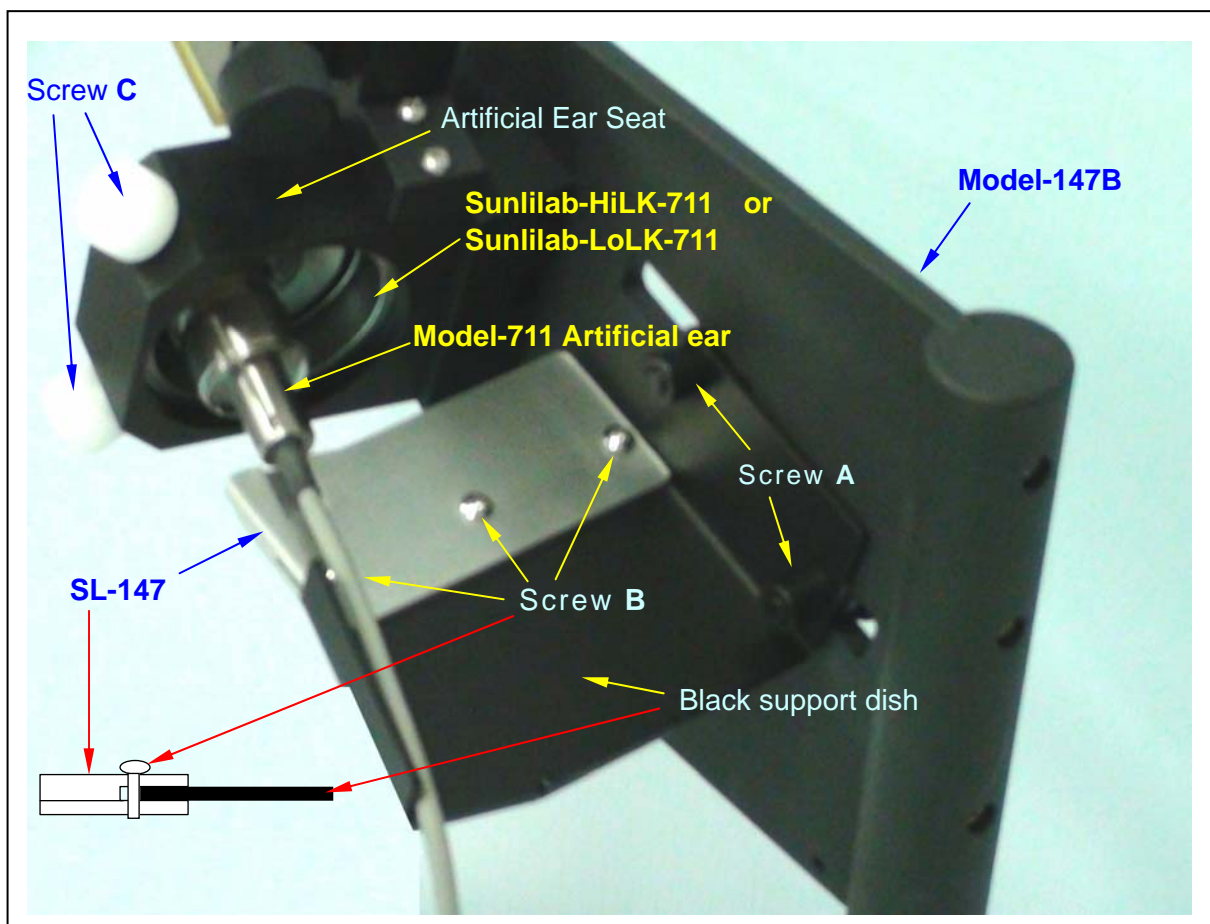
1. SL-2012 is an ear canal simulator, when combined with Model-711, it becomes an artificial ear that complies with Type 2 specification. It is exclusively used for intra-concha and insert types earphone testing. Take note to put back SL-2012 to the box shown on Fig. 1 when not using, to prevent it from losing.
2. Sunlilab-HiLK-711 is the high-leak pinna simulator, upon combined with Model-711, it becomes an artificial ear that complies with **ITU-T Type 3.2** . It is suitable for wideband handset and wideband telephone testing, each high-leak pinna simulator has a serial number as Fig. 2 shown, and it is being sold together in pair with Sunlilab-LoLK-711, and can't be sold individually, since its serial number is the same as the serial number of Sunlilab-LoLK-711.



3. Sunlilab-LoLK-711 is the low-leak pinna simulator, upon combined with Model-711, it becomes an artificial ear that complies with **ITU-T Type 3.2**. It is suitable for wideband handset and wideband telephone testing, each low-leak pinna simulator has a serial number as Fig. 2 shown, and it is being sold together in pair with Sunlilab-HiLK-711, and can't be sold individually, since its serial number is the same as the serial number of Sunlilab-HiLK-711.
4. SL-147 is the support dish exclusively used for Model-711 artificial ear, it can only combine for use with Model-147B (Test Head) as next page figure shown, to undergo telephone or handset testing. Take note that this support dish can't be used independently or on other occasions. After combined Model-711 with Sunlilab-HiLK-711 (or Sunlilab-LoLK-711), put it on the Model-147B Test Head, to prevent Model-711 from falling down from Model-147B, take note to insert SL-147 onto the ends of the black support dish and screw tightly "Screw B", unscrew "Screw C" then turn appropriately Model-711 until Model-711 touches the concave groove of SL-147, in doing so, SL-147 can shore up Model-711, and prevent it from falling down from Model-147B.

SL-147 installation steps :

- (a) Take note to set the artificial ear seat at "CCITT" modal position, don't set at "EIA" modal position.
- (b) Unscrew 2 pieces of "Screw A" at the black support dish, to let the black support dish move freely.



- (c) Unscrew 3 pieces of “Screw B” at SL-147, then, insert SL-147 onto the ends of the black support dish, then, screw back tightly the 3 pieces of “Screw B”.
- (d) Push forward the black support dish toward Model-711, until SL-147 shore up Model-711, then, screw back tightly 2 pieces of “Screw A”
- (e) Model-711 must put across to the SL-147 support dish, and must be shored up by SL-147, as Model-711 is not at the dead center of the artificial ear seat, so in case SL-147 can’t touch Model-711, it is necessary to unscrew “Screw C”, then turn appropriately Model-711 until Model-711 touches the concave groove of SL-147 (the ear canal of the artificial ear is thereby at lower position), then screw back tightly ” Screw C”.

Notes when using the operating Software :

On the last page of the operating software setting page of Type 1600N (or Type 2100), there is a newly added selecting item for artificial ear (Only Software version “**W x.xx**” has this function, not all the software have this function), this selecting item is:

Arti. Ear: Model-711 with HiLK-711 (or LoLK-711) Simulator.

(Exclude Model-142Exx, 711F and 711H)

Or

Arti. Ear: Model-142Exx or 711F or 711H

(Exclude Model-711 with HiLK-711 (or LoLK-711) Simulator)

As the tested frequency response curve and loudness rating obtained from using the Model-711 artificial ear and HiLK-711(or LoLK-711) combination are entirely different from the tested frequency response curve and loudness rating obtained from using the Model-142Exx (or Model-711F or Model-711H) artificial ear, this to avoid erroneous tested result, “**Arti. Ear** : “ selection is added on the Type 1600N (or Type 2100) operating software, so that user can select an appropriate artificial ear he wishes to use for testing.

If user selects the correct model no. of the artificial ear that is tally with the model no. of the artificial ear he is actually using, then, the obtained frequency response curve and loudness rating will be correct, otherwise, erroneous tested result will be obtained. For the operating software that has “**Arti. Ear** :” selecting item , before proceed to main menu, following notify screen would appear :

This program is suitable for
Model-711 with HiLK-711 simulator, or
Model-711 with LoLK-711 simulator
Only

Press any key when ready

This screen is to inform the user that “**Arti. Ear :**” at the setting page is currently set at “Model-711 with HiLK-711 (or LoLK-711) Simulator.”, therefore, the user must not use the Model-142Exx (or 711F or 711H) for testing, otherwise, erroneous frequency response curve and loudness rating will be obtained.

If “**Arti. Ear :**” is set at “Model-142Exx or 711F or 711H”, following screen would appear :

```
This program is suitable for
      Model-142Exx, or
      Model-711F, or
      Model-711H
              Only
      Press any key when ready
```

This screen is to remind the user the user that “**Arti. Ear :**” at the setting page is currently set at “Model-142Exx or 711F or 711H”, thus, user must not use Model-711 + HiLK-711 (or LoLK-711) Simulator combination for testing, to avoid the outcome of erroneous frequency response curve and loudness rating.

