

THE GRAMOPHONE COMPANY LTD.

RIBBON MICROPHONES MODELS 2350H & 2351H

Fitting and Connecting Instructions.

These velocity type high quality microphones are technically similar and differ only in facilities provided for their fixing to a stand or for suspension from a boom. Model 2350H has the stirrup drilled for fixing the microphone to table or floor stands. Our PM.242 de luxe microphone floor stand is particularly recommended. Model 2351H has two hooks fitted to the stirrup so that the microphone may be suspended from a boom for film or television sound recording, special or additional sound pickup for large orchestras etc..

THE MICROPHONE MUST BE HANDLED WITH GREAT CARE TO AVOID DAMAGE TO THE SENSITIVE RIBBON. THE SPECIAL TRANSPORTATION CASE HAS BEEN SPECIFICALLY DESIGNED TO PROTECT THE MICROPHONE WHEN BEING TRANSPORTED AND FOR STORAGE WHEN NOT IN SERVICE.

ALWAYS KEEP THE PROTECTIVE METAL COVER OVER THE MICROPHONE WHEN NOT IN USE WHETHER THE MICROPHONE IS ON ITS STAND OR IN ITS TRANSPORTATION CASE.

Fitting Model 2350H to Floor Stand.

First remove the microphone from its table stand as follows :-

1. Disconnect the microphone lead from any plug that may be fitted to it.
DO NOT ATTEMPT TO DISMANTLE THE MICROPHONE TO DISCONNECT THE LEAD INTERNALLY AT THE MICROPHONE END.
2. Unscrew the cleat beneath the base of the stand and release the lead.
3. Unscrew the milled nut clamping the microphone stirrup to the top of the stand, carefully retaining a hold on the microphone while so doing.
4. Draw the lead through the stem of the microphone and through the hole in the stirrup and the milled nut so that the lead eventually hangs from the microphone outside the stirrup. Replace the nut on the table stand for safe keeping.
5. Fit the microphone to the stem of the floor stand.

When fitting the microphone to adjustable floor stands, such as the PM.242 the lead is taken outside the stem of the stand. The milled nut provided with the table stand may be used to fix the stirrup of the microphone to the stem of the floor stand if necessary. A nut is provided with PM.242 stands ordered for use with ribbon microphones.

As the lead will be outside the stem, do not feed the lead through the nut. For neatness the lead may be held by clips to the upper stem. It must be emphasised, however, that freedom of movement of the lead is essential where the height of the stand is readily adjustable, as in the PM.242. Running the lead inside the stem, or clipping the lead to the lower part of the stand is not recommended and may cause trouble through jamming when the microphone is being used by an inexperienced broadcaster or commentator who may endeavour to readjust the height of the microphone to suit his requirements while actually broadcasting.

Model 2351H.

The suspension of this microphone to a boom is readily accomplished by means of stout rubber bands or cords attached to the hooks on the stirrup of the microphone.

Connections for Unbalanced Amplifier Inputs (Models 2350H, 2351H).

For this type of input, as used in the Portable Recorder Model 2300, the screening of the microphone must be connected to the black conductor as shown in the accompanying diagram. A P40 jack plug may be used, the screening and black lead going to the shank of the plug while the red or "live" lead is connected to the tip of the plug.

Connections for Balanced Amplifier Inputs.

When used with this type of input, both conductors are isolated from earth and a three-pin non-reversible plug and socket should be used.

Details are given in the diagram on the opposite page.

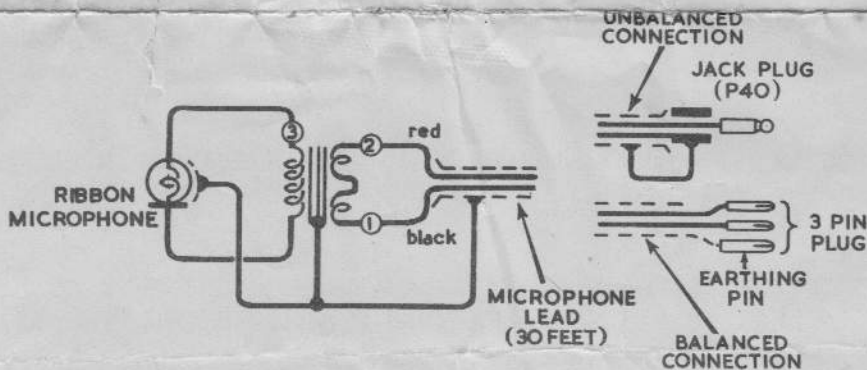
TECHNICAL CHARACTERISTICS.

Sensitivity.

- 85 db on 1 mW/BAR into 20 ohms.

Frequency Response.

Uniform within ± 2 db between 50 and 10,000 c.p.s.



PLUG CONNECTIONS FOR BALANCED AND UNBALANCED INPUTS

Direction Properties.

Closely follows the normal cosine law at all frequencies for axes taken about the length and breadth of the ribbon.

Ribbon.

Corrugated Aluminium ribbon of very light weight for smooth frequency response. The Ribbon is suitably protected by the cover against normal indoor draughts.

Transformer.

For feeding into 20 ohm lines.

Important Points to Remember.

A RIBBON MICROPHONE IS A SENSITIVE, DELICATE INSTRUMENT. HANDLE IT WITH CARE, PROTECTING IT FROM MECHANICAL SHOCKS AND SUDDEN BLASTS OF AIR.

Always fit the protective cover over the microphone when it is not in use.

Keep the microphone away from places where metal filings or particles may be attracted by the powerful magnet. When not in service for lengthy periods, store the microphone in the carrying case provided.

THE GRAMOPHONE COMPANY LTD.

(Domestic Recording Equipment Division)

Controlled by Electric and Musical Industries Ltd.

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