

# Miniature Ribbon Microphone



RB/T

The ribbon microphone has, by its manifest virtues, won tremendous popularity in recent years. This is in major degree due to RESLO engineering which has set the pace in producing high quality instruments of low cost, and now dominates the field.

Continuance of leadership demands constant development work and an entirely new instrument has been evolved which, in performance, appearance and versatility of usage, leaves all others way behind.

Miniature ribbon type RB is by far the smallest high quality instrument of its class ever produced, and the beautiful styling and finish place it in the front rank of industrial design. Nothing has been lost by this streamlining and much indeed has been gained. The detachable pre-set ribbon remains, but in greatly improved form with simplified assembly and near automatic accuracy in setting. This self-servicing feature originated with RESLO and is still the only practical example in use. An entirely new magnet system, smaller in size but higher in energy produces a very useful increase in output whilst linearity is bettered beyond the already outstanding characteristic.

The magnet assembly alone now occupies the casing proper, wherein it is secured by mechanically insulating blocks of foam rubber. The casing is a diecast frame with a swivel tongue at base through which the exit leads invisibly pass. Enclosure is performed by fine perforated shells interlocked to a spigot at base and secured by a single screw at top. The assembly is sealed within the shells, one of which is readily demountable for frequency and directivity changes by insertion of pads provided.

For non switching applications a slim tubular base houses the matching transformer which may have single or dual impedance output. Both outputs are directly wired to the connector and thence selected by use of the proper cable. This means that separate cables are necessary for 30/50 Ohms and high impedance working, but they are at least the right types.

When a muting switch is desired or a larger base preferred, a new version of the original type is available. Changes herein include the elimination of side fixings in favour of vertical screws from beneath, and the provision of a positive forward stop.

From the original semi Cardioidal form, the basic polar pattern now becomes bi-directional. This is only practical for level response when ribbon motion is well damped, for although the fundamental resonance may be low enough, the harmonics will persist. Again, there may be large changes at high frequencies. The attainment of damping arises from a number of features all of which are concerned with high degree of accuracy.

Sound reinforcement installations often call for special correction at the microphone in avoidance of feedback, and this is easily accomplished within the shells. Three pads are provided which reduce bass response with rear discrimination, giving top lift as well when desired. Use should always bias as much as possible towards natural form but the ability to command any purpose from close talking to high grade recording tremendously widens the scope.

Type RB Microphones come in three forms :—

<b>RB/T</b> "T" Base	<b>RB/W</b> "W" Base	<b>RB/WS</b> "W" Base and Switch
-------------------------	-------------------------	-------------------------------------

EACH in Five Impedances.

<b>Type RBL</b> White Dot 30/50 ohms	<b>Type RBM</b> Green Dot 250 and Blue Dot 600 ohms	<b>Type RBS</b> White Dot 30/50 and Orange Dot 1000 ohms
---	---	--

<b>Type RBY</b> White Dot 30/50 and Yellow Dot 10000 ohms	<b>Type RBH</b> White Dot 30/50 and Red Dot Hi-z
---	--

Cables are colour coded at Plug Centre as shown.

Cable Length 18 ft. Attachments Thread  $\frac{1}{8}$ " x 26 or  $\frac{3}{8}$ " x 27.

Finish—All Satin Chrome



RB/WS



## RESLOSOUND LIMITED

*microphone, loudspeaker, transducer and precision engineers*

SALES DIVISION 24 UPPER BROOK STREET · MAYFAIR · LONDON · W1  
cable address DERRITRON · LONDON telephone HYDE PARK 2291/2/3 telegrams DERRITRON · AUDLEY · LONDON