

LEAK Delta 70 amplifier

CONNECTING LOUDSPEAKERS

The Delta 70 is suitable for connection to loudspeakers with an impedance of 4 to 15 ohms.

Two-pin DIN sockets are provided for connecting loudspeakers, and these are fitted as standard to most new loudspeakers.

Two plugs are supplied as accessories. These are fitted with screw terminals enabling ready connection to be made to speaker leads. If you need to use these plugs, ensure that there are no loose strands of wire, the screws are tight, and that no unsheathed wire protrudes from the terminals which may cause a short circuit.

The Delta 70 has the facility for connecting two pairs of loudspeakers, referred to as speaker 1 and speaker 2. In either case the left loudspeaker should be connected to the socket marked "L" and the right loudspeaker to the socket marked "R".

CONNECTING A TURNTABLE

If your turntable does not have a power supply cable you can connect it to the "AC outlet" socket on the rear of the amplifier with one of the leads provided. Earth the turntable, if necessary, to the earth terminal on the amplifier.

Two sets of pickup sockets are provided on the rear panel of the Delta 70 marked "disc 1" and "disc 2", enabling two turntables to be connected if required and also to permit any type of cartridge generally available to be connected to give optimum results.

DISC 1.

For use with low output magnetic cartridges.

DISC 2.

High Gain.

For use with high output magnetic cartridges.

Low Gain.

For use with crystal or ceramic cartridges.

Consult the manufacturer's instructions and ensure that you connect the left channel to the socket marked "L" and the right channel to the socket marked "R".

CONNECTING A TUNER

If your tuner does not have a power supply cable you can connect it to the "AC outlet" socket on the rear of the amplifier with one of the leads provided. Do not earth the tuner with a separate lead unless the manufacturer's instructions state that you should, for in some cases the earth connection is effected by the screened cables that connect the tuner to the amplifier.

Two sets of phono sockets are provided on the rear panel of the Delta 70, marked "tuner 1" and "tuner 2" enabling two tuners to be connected if required.

TUNER 1.

For use with a low output tuner giving an average output of approximately 100 mV.

TUNER 2.

High Gain.

For use with a low output tuner.

Low Gain.

For use with a high output tuner giving an average output of approximately 500 mV.

When connecting a Leak Delta Tuner connect the leads to the "tuner 2" sockets with the gain switch set to "high".

Ensure that you connect the left channel to the socket marked "L" and the right channel to the socket marked "R".

CONNECTING MICROPHONES

Any dynamic (moving-coil or ribbon) microphones together with their associated matching transformers may be plugged into the "tuner 1" sockets.

The sensitivity of the amplifier needs to be raised, and this is done by cutting the two white links of wire on the input selector switch inside the cabinet. If in doubt you should consult your dealer.

For stereo operation you must follow the manufacturer's recommendations on the positioning of the microphones.

CONNECTING A TAPE RECORDER

Replay and record phono sockets are provided on the rear panel of the Delta 70. Ensure that you connect the left channel to the socket marked "L" and the right channel to the socket marked "R" in either case.

If your tape recorder does not have a power supply cable fitted you can connect it to the "AC outlet" socket on the rear of the amplifier using one of the leads provided. Do not earth the tape recorder with a separate lead unless the manufacturer's instructions state that you should, for in some cases the earth connection is effected by the screened cables that connect the tape recorder to the amplifier.

A further record and playback facility (DIN 5) is provided on the front panel. This outlet provides a lower output signal to conform to DIN standards.

The wiring for the plug is:-

- Pin 1 Left channel record.
- Pin 4 Right channel record.
- Pin 2 Earth.
- Pin 5 Right channel replay.
- Pin 3 Left channel replay.

EARTH CONNECTIONS

When you connect a signal source to your amplifier it is important that you consult the manufacturer's instructions and ensure you make suitable earth connections.

In some cases, connecting a separate earth lead may cause a low hum to be emitted from the loudspeakers. In these circumstances disconnect the lead since the signal source will be adequately earthed to the amplifier through the input leads.

If you are in doubt about the earth requirements for your tuner, tape recorder or turntable, consult your dealer.

FRONT PANEL CONTROLS AND SWITCHES

POWER BUTTON

- Button IN = Power ON
- Button OUT = Power OFF

Note: Before switching on check voltage selector, wiring connections and earthing.

VOLUME CONTROL

For lower volume levels rotate the control anti-clockwise and for higher volume levels rotate clockwise.

FUNCTION SELECTOR

The five positions of the control allow the choice of:-

- TUNER 1/MIC For use with a suitable tuner or a microphone.
- TUNER 2 For use with a suitable tuner with gain switch set to 'high' or 'low'.
- REPLAY To replay tape recorded programmes.
- DISC 1 For use with suitable turntable and cartridge.
- DISC 2 For use with a suitable turntable and cartridge with gain switch set to 'high' or 'low'.

BASS & TREBLE CONTROLS

These controls allow adjustment of the bass and treble responses according to taste and listening conditions.

To increase response, rotate the controls clockwise; to decrease, rotate the controls anti-clockwise.

The neutral position for both is 12 o'clock.

BALANCE CONTROL

The balance control adjusts for equal sound from both left and right channels to provide the correct balance in the room. Turn the control clockwise to increase output on the right channel and anti-clockwise to increase output on the left channel.