

## **LBB 3424/00**

### **Basic Module**

- Built-in mini infra-red radiator for audio monitoring
- Facilities for selecting normal, auxiliary or test signals
- LEDs to indicate system status
- Channel shift function to minimise HF interference
- Can provide output for up to 120 infra-red radiators with LBB 3411/00 or LBB 3412/00 (80 with LBB 3410/xx)
- Designed for use in Transmitter Housing LBB 3420

The LBB 3424 Basic Module is an essential component of the infra-red system and is present in every configuration. It is inserted in the transmitter housing. It provides the following functions:

- Power on/off
- Input selection
- Channel shift
- Radiator status

The Basic Module has four high-frequency inputs, each of which accepts the HF signal from an LBB 3421 Channel Module. These signals are filtered, summed and supplied as an asymmetric output to the infra-red radiators. The Basic Module has a built-in mini radiator for monitoring the system, and can generate a 1 kHz audio signal for system testing. Special connectors are supplied for terminating the coax cable for use with the LBB 3410/xx. This cable is used for connecting infra-red radiators in a loop-through chain.



## Controls and Indicators

- Power ON - toggles between standby and operation modes.
- 3-position front-panel slide switch for selecting one of three modes:
  - NORMAL - for normal use of the infra-red system.
  - AUX - audio signal at the rear-panel auxiliary input is distributed to all channels.
  - TEST - A 1 kHz test frequency is sent to all channels.
- 'Transmitter on' (green)/'Transmitter standby' (red) indicator (LED).
- 'Radiator disconnected/malfunctioning' indicator (red LED).\*
- 'Radiator connected/functioning correctly' indicator (green LED).\*
- Channel shift indicator (yellow LED).

\* Indicator is active if Philips IR radiators are used.

The following controls are found on the printed circuit board inside the unit:

- Automatic Gain Control (AGC) on/off switch for symmetrical and asymmetrical audio sources.
- Channel shift switch - this increases each carrier frequency by 160/200 kHz.
- Four switches can be altered according to the type of infra-red radiator being used - whether that is Philips IR radiators with DC for remote switching or other types without remote switching facilities.

## Interconnection

- 4 HF-output BNC connectors.
- Audio data bus connector.

## Accessories

- Four terminating plugs for terminating each coaxial cable after the last radiator has been connected (only applies to LBB 3410/xx).

Technical data	
Dimensions (H x W x D)	130 x 50.5 x 270 mm (5.12 x 1.99 x 10.63 in)
Weight	280 g (0.61 lb)
Finish	PH 10709 (grey)