



LB200 - Installation & Operation

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SAFETY

Please read these instructions carefully and keep them for future reference. Any queries should be furthered to Nortek technical support on +44 (0) 1260 276 409.

WARNINGS! • This unit should only be installed by qualified personnel.

Power Supply

The provided power supply unit (Class II double insulated / isolated) should be used to power the unit.

Requirements

- The unit should be used within the boundaries of its specifications.
- The unit's environment must be dry and dust-free.

Hazards

Remove power from the unit and refer to authorised service personnel in the event of any of the following:

- liquid is spilled onto the unit.
- the unit is damaged in any way.

Electromagnetic Compatibility (EMC)

This product is intended for use in residential, commercial or light industrial EMC environments.

Warning! This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Manufacturer's Declaration of Conformance

The manufacturer declares that this product is compliant with EC Directives 89/336/EEC and LVD 73/23 EEC, relating to the following standards:

- EN50081-1 (EN55014, EN55022) for emissions.
- EN50082-1 (IEC801-2, IEC801-3, IEC801-4) for immunity.
- EN60950 for electrical equipment safety.

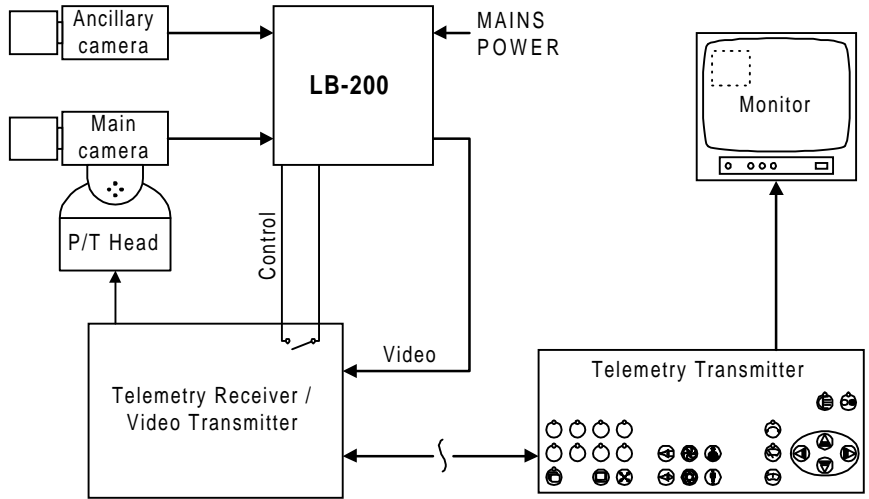
Subject to the following conditions:

- The installer must follow the recommendations contained within this document
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1. INSTALLATION

1.1. System Overview

The LB-200 is a remote 2-way video switcher with *picture-in-picture* (PIP) capability. A single contact pair controls all its functions; a local telemetry receiver will usually supply this. Each contact closure will step the LB-200 onward to its next operating state.

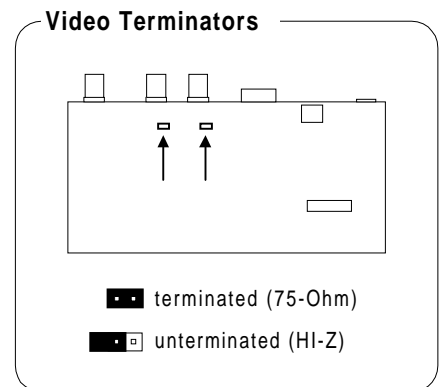
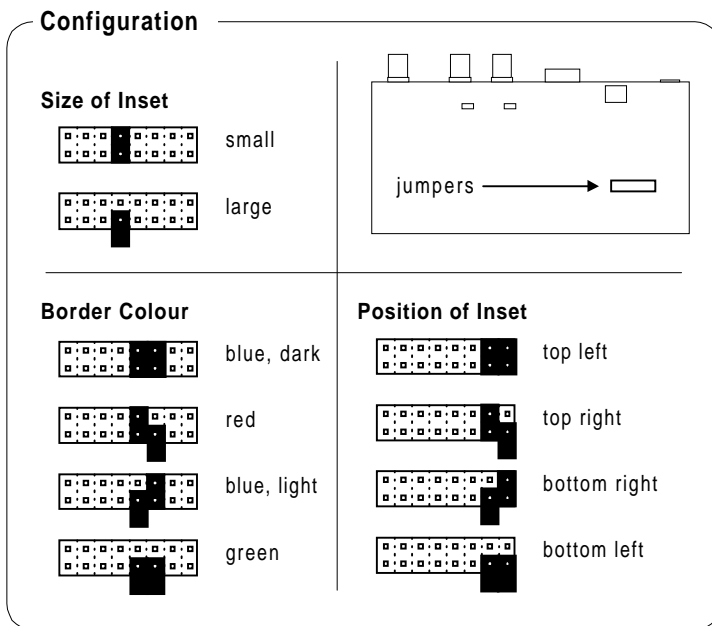


1.2. Configuration

The LB200 leaves the factory configured as follows...

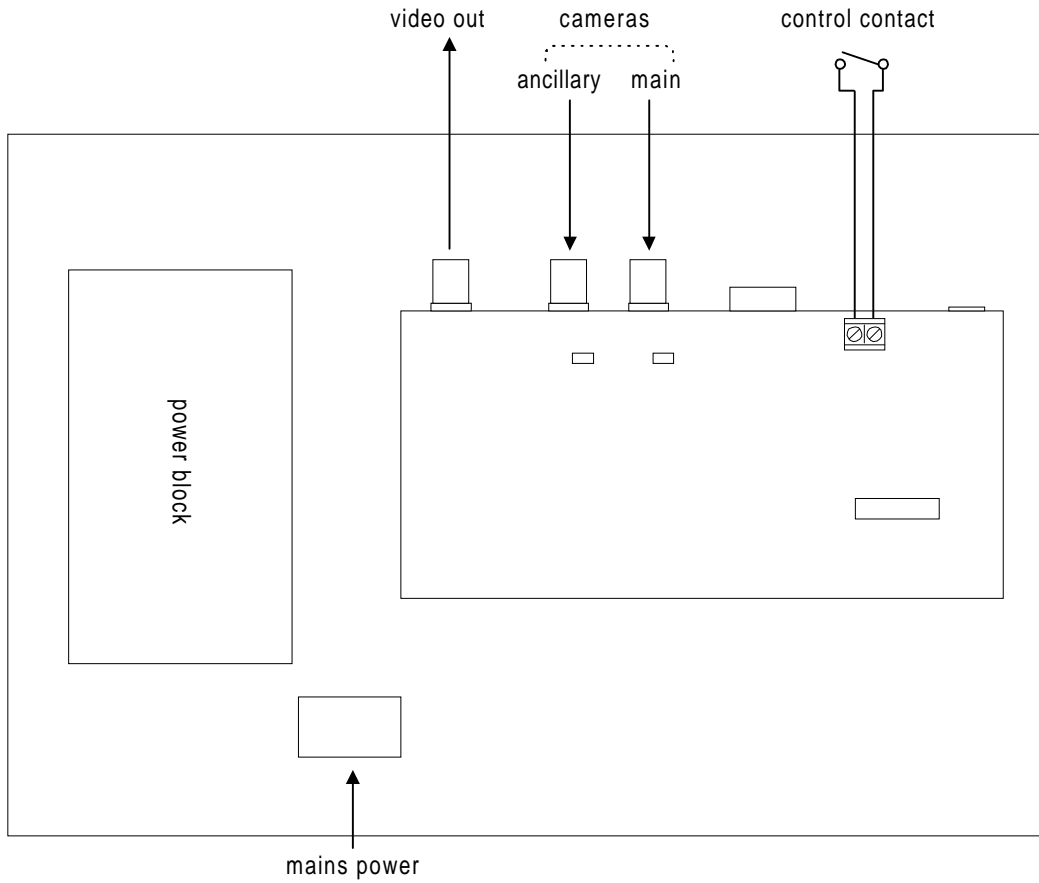
inset position: *top left*
inset size: *small*

border colour: *dark blue*
terminators: *both inputs terminated*



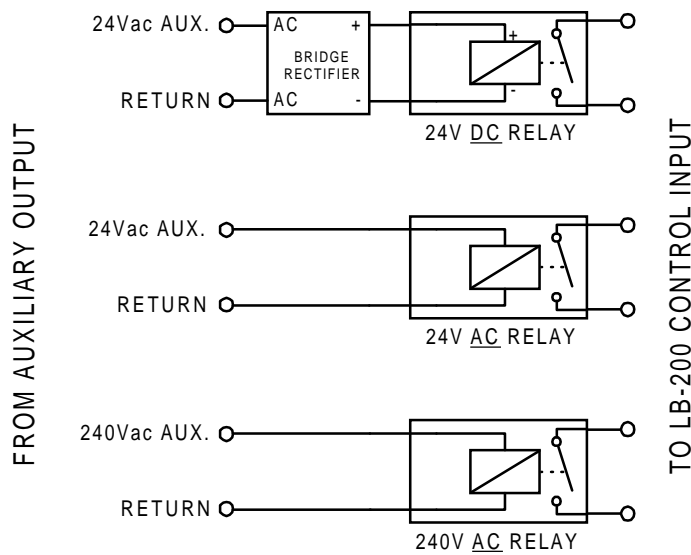
1.3. Wiring

Connections



Control Contact

The control contact must be **free-floating** and dedicated to this unit. If your telemetry receiver only offers a switched power output from its auxiliary then it will be necessary to insert one of the following circuits into your system ...

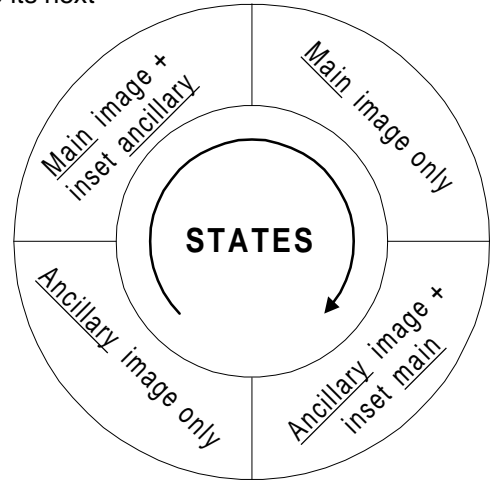


2. OPERATION

2.1. Operating States

Each closure of the *control contact* steps the unit onwards to its next operating state; the contact closure should be momentary.

The power-up state is: 'main image + inset ancillary', the position and size is dictated by the configuration jumper settings (detailed elsewhere in this document).



3. SPECIFICATIONS

Video

- Camera Inputs: 2; internal jumpers facilitate removal of 75Ω terminators
- Video Outputs: 1
- Format: composite video 75Ω 1V_{pk-pk}, PAL 625-line 50Hz
- Connectors: BNC

Inset

- Sizes: 2; both having aspect ratio of 4:3
- Small: approx. 1/3 x 1/3
- Large: approx. 1/2 x 1/2
- Positions: 4 (each corner)
- Method: scaled digital image; 7-bit; 50 fields/sec

Power

- Supply Requirements: 10V, 300mA
- Connector: D.C. Socket 2.1mm

Power Adapter

- Input: 230Vac +/- 10%, 50Hz.
- Output: 9Vdc, unregulated; class II.