

LBB 3500/35, LBB 3500/35D*

Multi Central Control Unit

- Extends congress systems by up to 240 contribution units
- Can be used in single or multi-CCU mode
- Direct PC control facility
- Two RS-232 ports for direct PC control

****Note:** Type numbers with a 'D' are intended for the North American market. They are CSA/UL approved, and have a modified mains supply and supply cord.*



The LBB 3500/35 is functionally identical to the LBB 3500/15 Central Control Unit (CCU), and is used to extend the capacity of the DCN system. This unit is designed for situations where more than 240 contribution units are required. Multi-CCU systems are controlled from a separate, dedicated PC running the Multi-CCU software (LBB 3586) and equipped with the LBB 3511/00 PC Card. All Multi-CCU units and the LBB 3511/00 PC Card are interconnected via a closed loop coaxial cable.

Each subsequent Multi-CCU that is added increases system capacity by a further 240, if future expansion is anticipated. If the current number of contribution units is less than 240, the LBB 3500/35 can be used in single-CCU mode and functions as a LBB 3500/15 CCU. The operating mode is altered by means of a front panel switch. This flexibility means it can cater for virtually every conference requirement.

The DCN control PC is connected to the master CCU PC (running OS/2) via their respective serial ports.

***Note:** Additional operator equipment is required to connect the Intercom Handset and Cradle (LBB 3555/00), and headphones for monitoring audio channels.*

When used in single-CCU mode, the functionality of the LBB 3500/35 is identical to the LBB 3500/15 Central Control Unit (CCU). When used in multi-CCU mode, specific functions include:

- Up to 16 Multi-CCUs can be interconnected, allowing up to 3840 contribution units to be connected to the DCN system (when used with the Delegate Database software module (LBB 3580), the maximum number of contribution units is 1500)
- Can operate single or in Multi-CCU mode
- Built-in power supply unit to supply both the Multi-CCU and externally-connected DCN equipment. Up to 180 units of PCF 1 can be driven per CCU
- Control facilities for up to 240 contribution units per CCU
- Automatic audio equaliser for adjusting the frequency response of contribution unit loudspeaker channels per CCU
- Two basic microphone operational modes are available:
 - 'OPEN': microphone-key control with request-to-speak registration
 - 'OVERRIDE': microphone-key control with override of already-active microphones (FIFO)
- Each microphone operation mode allows one, two or four microphones to be simultaneously active
- Basic parliamentary voting control facilities. Delegates can register 'PRESENT', 'FOR', 'AGAINST' and 'ABSTAIN'. The total results can also be displayed on hall displays and on contribution unit LCD screens
- Basic simultaneous interpretation functions with as many as 11 interpretation channels plus the floor language
- Extended facilities are available if the Multi-CCU is connected to a PC running DCN software. For more details on the software available, please refer to chapter 5 (Application Software)
- Camera control or remote control via serial communication with master CCU PC

Controls and indicators

- Mains on/off switch with green LED indicator
- 'Active Microphone' button with three yellow LED indicators to select the maximum number of delegate microphones which may be active simultaneously (one, two, or four) in stand-alone systems
- 'Microphone Mode' button with three yellow LED indicators to select microphone operating mode (OPEN, OVERRIDE OR VOICE) in single-CCU systems
- Equalizer button with 2 LED indicators to indicate ON (green LED) or BUSY (red LED) plus a switch for automatic audio equalizer adjustment
- Rotary loudspeaker tone controls for bass and treble adjustment
- Rotary loudspeaker volume control
- Switch to select single or Multi-CCU operating mode, with error indication (only when operating in the single [stand-alone] mode)

Interconnection

- Three outlet trunk-line cable connectors for connection of contribution, distribution, and interpretation units, plus extension power supplies. Each socket is protected against short-circuit. (3 x 6-pole circular connectors)
- Two rear-panel BNC connectors for input and output closed loop connections to other Multi-CCUs and the Multi-CCU PC
- Three indicators to indicate trunk-line overload (red LEDs)
- Two asymmetrical line input connectors (cinch-type) for floor input
- Symmetrical/asymmetrical line output connectors (cinch-type) for distribution of floor language to public address systems
- Tape/cassette recorder input and output (cinch type) for floor input and output
- Euro-mains socket with built-in fuse. Matching mains cable (1.7 m) (66.92 in) included
- Two RS-232 serial data connectors for PC, camera control system, remote control systems/devices, diagnostic equipment. By default, port 1 is for PC (max. 115,200 baud), port 2 is for camera control (for use in single CCU mode).

Technical data

Mounting free-standing on a table-top or mounted in a 19" rack
(requires 2U)

Dimensions (H x W x D) 100 x 440 x 308 mm (3.93 x 17.32 x 12.12 in)
width including 19" brackets* 483 mm (19.01 in)
depth including handles 348 mm (13.70 in)

Weight 11.2 kg (24.7 lb)

Colour
- cabinet light grey (PH 10709)
- handles dark grey (PH 10711)

* 19" brackets are included