

# DISCUSSION SYSTEM WITH UP TO 150 MICROPHONES

- ALLOWS USE OF CCS 800 SYSTEM FOR LARGER MEETINGS •
- UP TO 150 MICROPHONE UNITS POSSIBLE •
- USES 1 OR 2 EXTRA CPSUs (CENTRAL POWER SUPPLY UNITS) •
- EACH CPSU POWERS UP TO 2 X 25 MICROPHONE UNITS •
- SYSTEM CABLING MADE-TO-MEASURE BY INSTALLER •
- CABLE LENGTH  $\leq$  100 M (328 FT) PER GROUP OF 25 MICROPHONES •



## COST-EFFECTIVE SYSTEM EXTENSION

Meeting the need to use the CCS 800 Discussion System in larger meeting and conference situations, a cost-effective solution is now available to extend the system up to a maximum of 150 microphones. This solution is based on the use of 1 or 2 additional CPSUs (Central Power Supply Units) connected to the system's original or master CPSU. System control and I/O functions continue to be handled by the master CPSU. The extra (power slave) CPSUs act as precisely regulated power supplies for the additional microphone units.

Each CPSU powers up to 50 CCS 800 microphone units, connected in two 'daisy chains' of 25 units each. An external equalizer unit can be connected to compensate for room acoustics by equalizing the audio signals between microphones and loudspeakers. The CPSU interconnection cable assembly is prepared locally by the installer using made-to-measure cabling.



## EXTENDING THE CCS 800 SYSTEM

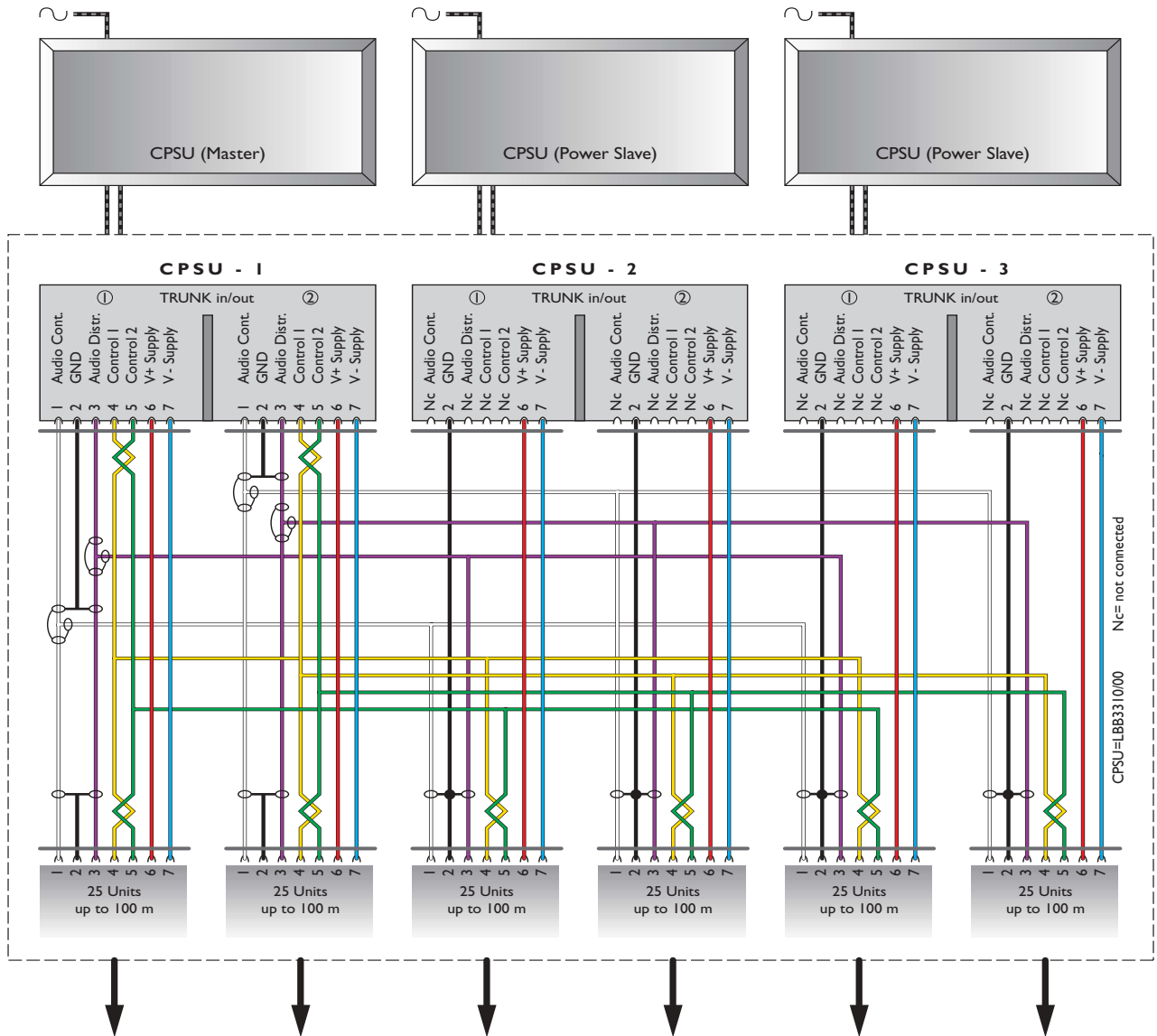
## MADE-TO-MEASURE SYSTEM CABLING

Connection of 1 or 2 extra CPSUs for up to 100 or up to 150 microphone units, respectively, is according to the block and cabling diagram (Fig. 1). As the diagram shows, the master CPSU handles the control, mode selection and I/O functions. Only the power and ground connections of the extra 1 or 2 CPSUs are used. It is advisable to install the extra CPSUs out of sight because the control and I/O functions of these units are not used. The CPSU operator should be

instructed that the control and I/O functions of the extra CPSU units are not available.

Covering the needs of larger installations, total cable lengths may be up to 100 m (328 ft.) for each 'chain' of 25 microphones. This includes the fixed 2 meter (6.5 ft.) delegate unit cable. It is recommended that only the shielded CCS 800 system cable LBB 3316 is used for correct performance and noise immunity.

## BLOCK AND CABLING DIAGRAM FOR EXTENDED CCS 800 DISCUSSION SYSTEM



Note: minor changes in audio signal and signal-to-noise levels may occur when using a maximum CCS 800 system configuration with three CPSUs (more than 50 microphones). However these changes will have no significant effect on perceived system performance under normal

operational conditions. To ensure stable test mode operation, maximum ambient temperature must not exceed 35°C (93°F) when using a maximum system configuration.

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