



BOSCH
Invented for life

DCN-WCCU Wireless Central Control Unit



- ▶ **Optical network interface for easy connection**
- ▶ **Single branch or redundant loop networks**
- ▶ **Control for up to 150 wireless discussion units**
- ▶ **Additional control for up to 93 interpreter desks**
- ▶ **Serial ports for PC and camera control**

The DCN-WCCU is the brain of the DCN Wireless system. It provides control for up to 150 wireless discussion units and 93 interpreter units.

The WCCU uses Bosch's proprietary optical network for easy connection to the wireless access point and other Bosch congress equipment. Networks can be set-up in single branch or redundant loop configurations, depending on the installed equipment.

For connection to DCN-IDESK interpreter desks, the WCCU has two outlet sockets for DCN trunk-cables.

In combination with a PC and the Conference Control Software (DCN-SWSMV), the WCCU brings greater sophistication to conference control.

Functions

- Optical network to:
 - couple the WCCU to the WAP
 - allow a variety of audio contribution and distribution facilities (can connect to other Bosch congress equipment, such as: Integrus transmitter for infra-red language distribution; Audio Expanders, and CobraNet™ interfaces)
- DCN trunk to connect to DCN-IDESK interpreter desks
- Basic microphone management facilities
- Three operational microphone modes:
 - Open: microphone button control with request-to-speak (Auto)

- Override: microphone button with override of activated microphones (FIFO)
- PTT: Push To Talk (push and hold button to speak)
- Up to 4 open microphones (3 for delegates and 1 for the chairman)
- Voting control for parliamentary voting procedure when using PC and DCN-SWSMV software
- Simultaneous interpretation function with up to 31 language channels, plus one floor channel via Integrus language distribution system
- Basic intercom function
- Automatic camera control
- Extended conference facilities when using PC and DCN-SWSMV software
- Adjustable sensitivity for audio inputs and outputs
- Audio insertion facility to connect external audio processing devices or telephone couplers
- Configuration of WCCU and system via a display and a single rotary push button
- Each WCCU can be assigned a unique name by the installer for easy identification
- VU meter readings of audio inputs and outputs (monitored using a headphone)
- 19" (2U) housing for table top or rack mounting
- Handgrips for easy transport

Controls and Indicators

At the front

- Mains on/off switch
- 2 x 16 Character LCD display for status information and CCU configuration
- Rotary control to navigate through the LCD menus

At the rear

- Four red LED overload indicators (2 for the DCN network outputs, 2 for the optical connections)

Interconnections

- Euro mains socket with built-in fuse
- Two DCN outlet sockets to connect DCN-IDESK interpreter desks, plus extension power supplies. Each socket is protected against short-circuit (2 x six-pole circular sockets)
- Two optical network connectors for a Wireless Access Point, Audio Expanders or Integrus TX
- Two three-pole XLR balanced audio line inputs with optional galvanic separation.
- Two stereo Cinch unbalanced audio line inputs
- Two three-pole XLR balanced audio line output with galvanic separation.
- Two stereo Cinch unbalanced audio line outputs
- One headphone output 3.5 mm (0.14") stereo
- Two RS-232 serial data connectors for controlling PC and diagnostics

Parts Included

| Quantity | Component |
|----------|--|
| 1 | DCN-WCCU Wireless Central Control Unit |
| 1 | System installation and user instruction CD-ROM |
| 1 | Mains cable, 1.7 m (5.5 ft) |
| plus: | 19" rack mounting brackets, detachable feet and mounting accessories |

Technical Specifications

Electrical

| | |
|------------------------|---|
| Supply voltage | 100 - 240 VAC +/- 10 % 50 - 60 Hz |
| Power consumption | 170 W |
| DCN system supply | 40 VDC, max 65 W per DCN socket |
| Optical network supply | 40 VDC, max 65 W |
| Total supply power | 130 W |
| RS-232 connection | 2 x nine-pole Sub-D female socket |
| Frequency response | 30 Hz - 20 kHz (-3 dB at nominal level) |
| THD at nominal level | < 0.5 % |
| Cross talk attenuation | > 85 dB at 1 kHz |
| Dynamic range | > 90 dB |
| Signal-to-noise ratio | > 87 dBA |

Audio inputs

| | |
|---------------------|-------------------|
| XLR nominal input | 12 dBV (+/- 6 dB) |
| XLR maximum input | +12 dBV |
| Cinch nominal input | 24 dBV (+/- 6 dB) |
| Cinch maximum input | +0 dBV |

Audio outputs

| | |
|----------------------|----------------------|
| XLR nominal output | 12 dBV (+6 / -24 dB) |
| XLR maximum output | +12 dBV |
| Cinch nominal output | 24 dBV (+6 / -24 dB) |
| Cinch maximum output | +0 dBV |

Mechanical

| | |
|--|---|
| Mounting | Tabletop or mounted in a 19" rack |
| Dimensions (H x W x D) for tabletop use, with feet | 92 x 440 x 400 mm (3.6 x 17.3 x 15.7 in) |
| for 19" rack use, with brackets in front of brackets behind brackets | 88 x 483 x 400 mm (3.5 x 19 x 15.7 in) 40 mm (1.6 in) 360 mm (14.2 in) |
| Weight | 7 kg (15.4 lbs) |
| Color | Charcoal (PH 10736) with silver |

Ordering Information

DCN-WCCU Wireless Central Control Unit

for all regions except North-America

DCN-WFCCU Flight Case for CCU and WAP

light grey, holds wireless central control unit(s), access point & cable

DCN-WCCU-UL Wireless Central Control Unit UL/CSA

for the North-America region

Accessories

LTC 8200/50 Allegiant Video Switcher

rated voltage 220 to 240 VAC (50/60 Hz)

LTC 8200/60 Allegiant Video Switcher

rated voltage 120 VAC (50/60 Hz)

LTC 0455/11 Color Camera

1/3-inch, 540 TVL, PAL, DSP, 12 VDC/24 VAC, 50 Hz

LTC 0455/21 Color Camera

1/3-inch, 540 TVL, NTSC, DSP, 12 VDC/24 VAC, 60 Hz

LTC 0455/51 Color Camera

1/3-inch, 540 TVL, PAL, DSP, 230 VAC, 50 Hz

LTC 0455/61 Color Camera

1/3-inch, 540 TVL, NTSC, DSP, 120 VAC, 60 Hz

LTC 8555/00 Compact Full-function Keyboard

variable speed joystick

G3ACPW2CW Color AutoDome Kit

18x color, indoor pendant, wall mount, clear dome, white, 230 VAC, 50 Hz

LTC 5136/51 AutoDome Controller

with 16 outputs for AutoDomes or for Allegiant Receiver/Drivers units, 230 VAC, 50/60 Hz

G3ACS5C Color AutoDome Kit

18x color, indoor drop ceiling, clear dome, 24 VAC, 50 Hz

LTC 5136/61 AutoDome Controller

with 16 outputs for AutoDomes or for Allegiant Receiver/Drivers units, 110 VAC, 50/60 Hz

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