



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 95 DCN Next Generation wired units**
- ▶ **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 95 DCN Next Generation wired units.

The WCCU uses Bosch's proprietary optical network for easy connection to the wireless access point and other Bosch conference 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 conference equipment, such as: Integrus transmitter for infra-red language distribution; Audio Expanders, and CobraNet™ interfaces)
- DCN trunk to connect to DCN Next Generation units, such as; DCN Discussion Units, DCN Concentus, DCN interpreter desks or DCN Flush Mounting Units
- 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)
- Simultaneous interpretation function with up to 10 language channels, plus one floor channel via the DCN Wireless Discussion System. In case more than 10 language distribution channels are in use (maximum 32), the channels above ten, are distributed throughout the rest of the system, so they can be heard via wired units, or via Integrus infrared receivers
- Voting control for parliamentary voting procedure when using PC and DCN-SWSMV software
- Each connected wireless discussion unit (DCN-WDCS-D, DCN-WDDCS-D and DCN-WDVCS-D) has an integrated simultaneous interpretation function with up to 10 language selection channels
- 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	88 x 483 x 400 mm (3.5 x 19 x 15.7 in)
in front of brackets	40 mm (1.6 in)
behind brackets	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-WCCU
DCN-WFCCCU Flight Case for CCU and WAP light grey, holds wireless central control unit(s), access point & cable	DCN-WFCCCU
DCN-WCCU-UL Wireless Central Control Unit UL/CSA for the North-America region	DCN-WCCU-UL
Accessories	
LTC 0455/51 Dinion Color Camera 1/3-inch, 540 TVL, PAL, DSP, 230 VAC, 50 Hz	LTC0455/51
LTC 8200/50 Allegiant Video Switcher rated voltage 220 to 240 VAC (50/60 Hz)	LTC8200/50
LTC 0455/61 Dinion Color Camera 1/3-inch, 540 TVL, NTSC, DSP, 120 VAC, 60 Hz	LTC0455/61
LTC 8200/60 Allegiant Video Switcher rated voltage 120 VAC (50/60 Hz)	LTC8200/60
LTC 0455/11 Dinion Color Camera 1/3-inch, 540 TVL, PAL, DSP, 12 VDC/24 VAC, 50 Hz	LTC0455/11

Ordering Information

LTC 0455/21 Dinion Color Camera 1/3-inch, 540 TVL, NTSC, DSP, 12 VDC/24 VAC, 60 Hz	LTC0455/21
LTC 8555/00 Compact Full-function Keyboard variable speed joystick	LTC 8555/00
G3ACPW2CW Color AutoDome Kit 18x color, indoor pendant, wall mount, clear dome, white, 230 VAC, 50 Hz	G3ACPW2CW
LTC 5136/51 AutoDome Controller with 16 outputs for AutoDomes or for Allegiant Receiver/Drivers units, 230 VAC, 50/60 Hz	LTC 5136/51
G3ACS5C Color AutoDome Kit 18x color, indoor drop ceiling, clear dome, 24 VAC, 50 Hz	G3ACS5C
LTC 5136/61 AutoDome Controller with 16 outputs for AutoDomes or for Allegiant Receiver/Drivers units, 110 VAC, 50/60 Hz	LTC 5136/61

Americas:

Bosch Communications Systems
12000 Portland Avenue South
Burnsville, Minnesota, 55337, USA
Phone: +1-800-392-3497
Fax: +1-800-955-6831
audiosupport@us.bosch.com
www.boschcommunications.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: +31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Bosch Security Systems Pte Ltd
38C Jalan Pemimpin
Singapore 577180
Phone: +65 6319 3450
Fax: +65 6319 3499
apr.securitysystems@bosch.com
www.boschsecurity.com

Represented by