C200 Configuration Guide

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⊙))) Introduction

This guide provides comprehensive information for the setup, configuration and maintenance of the C200 Scanning‑Dimensioning device. It contains shortcuts for end users, configuration barcodes for system management, communication options, data and transmission formats, dimensioning units and output, and supported software information.

Also available for download at **www.cubetape.com/support** is the scan engine parameter programming guide which provides complete guidance to programming the scan engine to meet specific symbology requirements.

Important C200 Version information

This guide applies to the following versions:

C200 Version 1 (V1) released in March 2023 (Serial Numbers 2310001 to 2311000) and

C200 Version 2 (V2) released in December 2023 (Serial Numbers 2311001 to 2312000).

All barcodes in this guide can be used in both V1 and V2 other than those marked V1 or V2 accordingly.

C200 V2 provides the following new features:

- Optional European Decimal Point (",").
- Six new HID Keyboard layout options for Belgian, Czech, Polish, Slovenian, Turkish, Ukrainian.
- Dimensioning Output to the nearest quarter.
- Data Upload command for CubeiQ.
- 2 Item Workflow.
- Insert pallet shortcut for CHEP, EU, UK and US pallets.
- Insert standard object insert of 1 2 or 3 dimensions (customisable).
- Repeat last 3 dimensions.

Default settings are:

Settings	US Defaults	Metric Defaults
Communication Mode	HID over wireless 2.4G using dongle	HID over wireless 2.4G using dongle
Keyboard	English	English
Workflow	Single Item (1DIM)	Single Item (1DIM)
Suffix for Dimensional Items	TAB	TAB
Suffix for General Items	TAB	TAB
Source Prefix	OFF	OFF
Units	inches	cm
Output	Nearest inch	Nearest cm
Sleep TIme	10 minutes	10 minutes
LED Aimer	ON at Read	ON at Read
Tape Cassette	16 ft / 5 m with QR symbology	16 ft / 5 m with QR symbology

Communication and Pairing Options

Barcodes and dimensions captured on C200 can be sent to a connected system using one of the following methods:

- Windows HID connection using wireless USB dongle (USB-HID).

- Windows serial connection using wireless USB dongle (USB-COM).

- Windows or Android connection using Bluetooth Direct (HID) Mode.

- Windows or Android connection using Bluetooth Application (SPP) Mode.

- Android or Apple iOS connection using Bluetooth BLE Mode.

C200 ships with two other pairing utilities to simplify the pairing process:

NFC Pairing is initiated when a user brings the NFC Reader of their mobile device into close proximity with the C200 scan head. Follow the Android prompts to complete pairing.

Scan to Pair initiates pairing when C200 scans a pairing barcode displayed on the mobile device screen. This option may need to be co-ordinated with 3rd party software vendors.

Behaviour

1. LED

Description of the basic functions of the indicator LED:

LED	Description
Blue LED	**Connection Status:** ON when connected OFF when disconnected
Green LED	**Decode Indicator:** Flashes once on successful data scan and transmission Flashes three times if scanning is successful but transmission fails
Red LED	**Charge Indicator:** ON when charging OFF when fully charged or not charged

Indicator LED combination description:

LED	Description
Blue LED OFF, **Green** LED flashes	2.4G mode pairing status
Green LED OFF, **Blue** LED flashes	SPP mode pairing status
Green and **Blue** LED flash alternately	HID mode pairing status

2. Buzzer

LED	Description
Long beep (low followed by high frequency)	Power is ON
Long beep (high followed by low frequency)	Power is OFF
Short beep (low frequency)	Indicates bar code is read, or pairing is successful
Short beep (high followed by low frequency)	Configuration setting success
Three short beeps (low frequency)	Wireless transmission failed
Two short beeps (low frequency)	Wireless connection disconnect
Two short beeps (high frequency)	Configuration setting failure

3. Button

LED	Description
Button	Short press to power ON When pairing, double-click to end pairing

System Options

About 2.4G Dongle Version
Output 2.4G dongle version information

2.4G Dongle Ver

About Scanner Version
Output scan module version information

Scanner Version

About Wireless Version
Output Bluetooth version information

Wireless Version

Configuration Disable
Prevent device reconfiguration

Config Disable

Configuration Enable
Allow device reconfiguration

Config Enable

Scan Count
Output scanner count

Scan Count

C200S US Defaults
Reset scanner to defaults

C200S US

C200L US Defaults
Reset scanner to defaults

C200L US

))) System Options

C200S Metric Defaults
Reset scanner to defaults

C200S Metric

C200L Metric Defaults
Reset scanner to defaults

C200L Metric

Restore Wireless Defaults
Reset wireless comms to factory defaults

Wireless Defaults

Output Battery Level

Battery Level

Connect Options

2.4G Communication Mode
Set communication mode to wireless 2.4G using dongle

2.4G

2.4G Application (COM) Mode
Configures 2.4G Wireless dongle as a USB Serial device. Requires a connection for reconfiguration

2.4G App (COM)

2.4G Direct (HID) Mode
Configures 2.4G Wireless dongle as a USB HID device. Requires a connection for reconfiguration

2.4 Direct (HID)

Bluetooth Direct Mode (HID)
Set communication mode to Bluetooth Application Mode (HID)

BT Direct (HID)

Bluetooth Application Mode (SPP)
Set communication mode to Bluetooth Application Mode (SPP)

BT App (SPP)

Communication Pair
Scan this barcode before inserting RF dongle in spare USB port to connect to PC.
Press the button twice to exit pairing mode

Pair

Bluetooth Low Energy Mode (BLE)
Set communication mode to Bluetooth Low Energy (BLE)

2.4G

Device Settings

LED Aimer ON Always

LED on Always

LED Aimer OFF

LED off

LED Aimer ON at Read

LED On at Read

Sleep in 1 min
Set sleep time to 1 minute

Sleep 1min

Sleep in 5 min
Set sleep time to 5 minutes

Sleep 5min

Sleep in 10 min
Set sleep time to 10 minutes

Sleep 10min

Sleep in 30 min
Set sleep time to 30 minutes

Sleep 30min

Sleep in 30s
Set sleep time to 30 seconds

Sleep 30sec

Device Settings

Sleep Never
Set sleep time to never

Sleep Never

Sleep Now
Set sleep time to sleep immediately

Sleep Now

Sound ON

Sound On

Sound OFF

Sound Off

International Settings

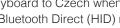### Decimal Point COMMA (V2)

Decimal comma

Decimal Point DOT (V2)

Decimal dot

Keyboard Belgian (V2)
Sets Keyboard to Belgian when in 2.4G
and Bluetooth Direct (HID) mode

KBD Belgian

Keyboard Czech (V2)
Sets Keyboard to Czech when in 2.4G
and Bluetooth Direct (HID) mode

KBD Czech

Keyboard English
Sets Keyboard to English when in 2.4G
and Bluetooth Direct (HID) mode

KBD English

Keyboard French
Sets Keyboard to French when in 2.4G
and Bluetooth Direct (HID) mode

KBD French

Keyboard German
Sets Keyboard to German when in 2.4G
and Bluetooth Direct (HID) mode

KBD German

Keyboard Italian
Sets Keyboard to Italian when in 2.4G
and Bluetooth Direct (HID) mode

KBD Italian

International Settings

Keyboard Japanese

Sets Keyboard to Japanese when in 2.4G and Bluetooth Direct (HID) mode

KBD Japanese

Keyboard Polish (V2)

Sets Keyboard to Polish when in 2.4G and Bluetooth Direct (HID) mode

KBD Polish

Keyboard Slovenian (V2)

Sets Keyboard to Slovenian when in 2.4G and Bluetooth Direct (HID) mode

KBD Slovenian

Keyboard Turkish (V2)

Sets Keyboard to Turkish when in 2.4G and Bluetooth Direct (HID) mode

KBD Turkish

Keyboard Ukrainian (V2)

Sets Keyboard to Ukrainian when in 2.4G and Bluetooth Direct (HID) mode

KBD Ukrainian

Keyboard Spanish

Sets Keyboard to Spanish when in 2.4G and Bluetooth Direct (HID) mode

KBD Spanish

Dimensioning Units and Output

Output Nearest 0.1
Output dimensions to the nearest tenth

Output 0.1

Output Nearest 0.25 (V2)
Output dimensions to the nearest quarter

Output Nearest 0.25

Output Nearest 0.5
Output dimensions to the nearest half

Output 0.5

Output Nearest 1
Output dimensions to the nearest whole number

Output Nearest 1

Output Next 1
Output dimensions to the next whole number

Output Next 1

Units = mm
Set units to millimetres

Units mm

Units = cm
Set units to centimetres

Units cm

Units = in
Set units to inches

Units in

Dimensioning Units and Output

Units = m
Set units to metres

Units m

Suffixes and Prefixes

Prefix Disable
Disable use of prefix

Prefix Disable

Prefix Enable
Enable use of prefix

Prefix Enable

Prefix DIM ~
Set DIM prefix to ~

Prefix Dim ~

Prefix DIM *
Set DIM prefix to *

Prefix Dim *

Prefix GEN ^
Set GEN prefix to ^

Prefix Gen ^

Suffix DIM CR
Set suffix to CR for dimensional items

Suffix Dim CR

Suffix DIM TAB
Set suffix to TAB for dimensional items

Suffix Dim TAB

Suffix Disable
Disable use of suffix

Suffix Disable

Suffixes and Prefixes

Suffix Enable
Enable use of suffix

Suffix Enable

Suffix GEN CR
Set suffix to CR for general items

Suffix Gen CR

Suffix GEN TAB
Set suffix to TAB for general items

Suffix Gen TAB

Batch and Online Modes

Clear Data
Clear stored data when in storage (offline) mode

Clear Data

Data Upload
Upload data when in storage (offline) mode

Upload Data

Display Record Number
Output number of stored record when in storage (offline) mode

Display Record#

Real Time Mode
Send data in real time

Real Time Mode

Batch Mode
Store data for later upload

Batch Mode

CubeiQ Upload (V2)
Upload record count and data to CubeiQ in storage mode

CubeiQ Upload

Workflow and Process Options

Off Floor OFF

Remove off floor offset to next measurement

Off Floor OFF

Off Floor ON

Add off floor offset to next measurement

Off Floor ON

Set One Time Offset TC5-50

Set off floor value for TC5-50

Set Offset 5m

Set One Time Offset TC5-75

Set off floor value for TC5-75

Set Offset 7.5m

Set Spacer to x

Set Spacer to lower case x

Spacer x

Set Spacer to X

Set Spacer to upper case X

Spacer X

Workflow 1DIM

Set workflow to single item (1DIM)

Workflow 1DIM

Workflow 2DIM (V2)

Set workflow to two item (2DIM)

Workflow 2DIM

Workflow and Process Options

Workflow 3DIM
Set workflow to three item (3DIM)

Workflow 3DIM

Workflow 3DIM+
Set workflow to three item LFT

Workflow 3DIM+

Shortcuts

Pallet CHEP (V2)
Insert CHEP pallet values 117x117
in Length and Width

Pallet CHEP

Pallet EU (V2)
Insert EU pallet values 120x80
in Length and Width

Pallet EU

Pallet UK (V2)
Insert UK pallet values 120x100
in Length and Width

Pallet UK

Pallet US (V2)
Insert US pallet values 40x48
in Length and Width

Pallet US

Insert 1 Dimension - 300mm (V2)
Can be customised to insert any 1 value

Insert dim 300mm

Insert 2 Dimensions - 300x400mm (V2)
Can be customised to insert any 2 values

Insert dims 300 400 mm

Insert 3 Dimensions - 300x400x500mm (V2)
Can be customised to insert any 3 values

Insert dims 300 400 500 mm

Repeat Last 3 (V2)
Repeat last 3 dimensions

Repeat last 3

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