

C200 Configuration Guide

MAY 2025



cubetape

Discover the Power of Mobile Dimensioning

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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 3 (V3) released in April 2025 (Serial Numbers 2510001 and upwards).

For earlier C200 Versions please refer to published C200 Configuration Guide January 2024.

C200 V3 provides the following new firmware features:

- Autopair utility for BLE communications
- Belarusion and TurkishQ keyboard formats
- Onboard Alibi memory and lookup function
- Battery level broadcast
- Measurement format metres to the nearest mm
- Append function for dimensions up to 10m
- Lookup function for Alibi memory.

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	16ft/5m with QR symbology	16ft/5m 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 virtual 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.

AutoPair SDK and companion app will assist developers integrate Cubetape C200. Its packaged as either a .apk or .ipa and includes the following features:

- AutoPair pairing barcode for rapid and reliable pairing using BLE
- Capture and display of dimensions, general barcodes, volume and raw data
- Display C200 battery level
- Display C200 serial number
- Config settings for BT HID, cubeiQ and cubeiQ with 10 minute battery broadcast
- Documentation.

1. LED

Description of the basic functions of the indicator LED:

LED	Description
Blue LED	Connection Status: Flashing 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
Green LED flashes slowly	2.4G Comms mode (default mode)
Green LED flashes quickly	2.4G Comms ready to pair (insert dongle to complete connection)
Blue LED flashes	BLE or BT SPP Pairing mode
Green and Blue LED flash alternately	BT HID pairing mode

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	Long press to power on When pairing, double-click to end pairing

Restore C200L US Defaults

Restores C200L US defaults



C200L US

Restore C200L Metric Defaults

Restores C200L Metric defaults



C200L Metric

Restore C200S US Defaults

Restores C200S US defaults



C200S US

Restore C200S Metric Defaults

Restores C200S Metric defaults



C200S Metric

Restore C200P US Defaults tenths

Restores C200P US defaults tenths



C200P in tenths

Restore C200P Metric Defaults mm

Restores C200P Metric defaults mm



C200P mm

System Options

About Wireless Version
Sends version information for wireless



Wireless Version

About Scanner Version
Sends version information for C200



Scanner version

Aiming LED OFF
Turns off Aiming LED



LED Off

Aiming LED ON Always
Turns on Aiming LED



LED On Always

Aiming LED ON at Read
Turns on Aiming LED during Read



LED On at Read

Configuration Disable
Disable engine configuration



Config Disable

Configuration Enable
Enable engine configuration



Config Enable

Connect Options

2.4G Appl (USB-COM)

Configures Dongle for
USB Virtual Serial connection



2.4G App (USB-COM)

2.4G Direct (HID)

Configures Dongle for
USB HID host connection



2.4G Direct (HID)

BT App (SPP)

Configures C200 to use
Bluetooth Application (SPP) connection



BT App (SPP)

BT BLE

Configures C200 to use
Bluetooth BLE connection



BT BLE

BT Direct (HID)

Configures C200 to use
Bluetooth Direct (HID) connection



BT Direct (HID)

Pair

Puts C200 in pairing mode



Pair

Device Settings

Sleep 30sec

Set sleep time to 30 seconds



Sleep 30sec

Sleep 1min

Set sleep time to 1 minute



Sleep 1min

Sleep 5min

Set sleep time to 5 minutes



Sleep 5min

Sleep 10min

Set sleep time to 10 minutes



Sleep 10min

Sleep 30min

Set sleep time to 30 minutes



Sleep 30min

Sleep Never

C200 does not sleep



Sleep Never

Sleep Now

C200 sleep immediately



Sleep Now

Sound Off

Sound off



Sound Off

Device Settings

Sound High
Sound is high



Sound Medium
Sound is medium



Sound Low
Sound is low



Decimal Point COMMA

Uses comma as decimal point



Decimal comma

Decimal Point DOT

Uses dot as decimal point



Decimal dot

Keyboard Belarusian

Uses Belarusian HID keyboard layout



KBD Belarusian

Keyboard Belgian

Uses Belgian HID keyboard layout



KBD Belgian

Keyboard Czech

Uses Czech HID keyboard layout



KBD Czech

Keyboard English

Uses English HID keyboard layout



KBD English

Keyboard French

Uses French HID keyboard layout



KBD French

Keyboard German

Uses German HID keyboard layout



KBD German

Keyboard Intl

Uses International HID keyboard layout



KBD Intl

Keyboard Italian

Uses Italian HID keyboard layout



KBD Italian

Keyboard Japanese

Uses Japanese HID keyboard layout



KBD Japanese

Keyboard Polish

Uses Polish HID keyboard layout



KBD Polish

Keyboard Slovenian

Uses Slovenian HID keyboard layout



KBD Slovenian

Keyboard Spanish

Uses Spanish HID keyboard layout



KBD Spanish

Keyboard Turkish F

Uses Turkish F HID keyboard layout



KBD Turkish F

Keyboard Turkish Q

Uses Turkish Q HID keyboard layout



KBD Turkish Q

International Settings

Keyboard Ukrainian

Uses Ukrainian HID keyboard layout



KBD Ukrainian

Dimensioning Output

Output m.cm

Output in metres to
2 decimal places (1.24m)



Output m.cm

Output m.mm

Output in metres to
3 decimal places (1.242m)



Output m.mm

Output Nearest 0.1

Output to the nearest 0.1 or 1/10



Output 0.1

Output Nearest 0.25

Output to the nearest 0.25 or quarter



Output Nearest 0.25

Output Nearest 0.5

Output to the nearest 0.5 or 1/2



Output 0.5

Output Nearest 1

Output to the nearest 1



Output Nearest 1

Output Next 1

Output to the next 1



Output Next 1

Dimensioning Units

Units = mm

Set dimensional units to millimetres



Units mm

Units = cm

Set dimensional units to centimetres



Units cm

Units = in

Set dimensional units to inches



Units in

Units = m

Set dimensional units to metres



Units m

Prefix DIM ~

Sets dimensional prefix 1 to ~



Prefix Dim ~

Prefix DIM*

Sets dimensional prefix 1 to *



Prefix Dim *

Prefix DIM TAB

Sets dimensional prefix 1 to TAB



Prefix Dim TAB

Prefix Disable

Disables prefix 1



Prefix Disable

Prefix Enable

Enables prefix 1



Prefix Enable

Prefix GEN^

Sets general prefix1 to ^



Prefix Gen ^

Prefix GEN NULL

Sets general prefix1 to NULL



Prefix Gen NULL

Prefix2 DIM NULL

Sets dimensional prefix 2 to NULL



Prefix2 Dim NULL

Prefix2 Disable
Disables prefix 2



Prefix2 Disable

Prefix2 Enable
Enables prefix 2



Prefix2 Enable

Prefix2 GEN NULL
Sets general prefix 2 to NULL



Prefix2 Gen NULL

Suffix DIM CR

Set dimensional suffix to CR



Suffix Dim CR

Suffix DIM TAB

Set dimensional suffix to TAB



Suffix Dim TAB

Suffix DIM NULL

Set dimensional suffix to NULL



Suffix Dim NULL

Suffix Disable

Disable suffix



Suffix Disable

Suffix Enable

Enable suffix



Suffix Enable

Suffix GEN COMMA

Set general suffix to COMMA



Suffix Gen COMMA

Suffix GEN CR

Set general suffix to CR



Suffix Gen CR

Suffix GEN TAB

Set general suffix to TAB



Suffix Gen TAB

Suffix2 DIM TAB

Set dimensional suffix2 to TAB



Suffix2 Dim TAB

Suffix2 DIM NULL

Set dimensional suffix2 to NULL



Suffix2 Dim NULL

Suffix2 DIM CR

Set dimensional suffix2 to CR



Suffix2 Dim CR

Suffix2 Disable

Disable suffix 2



Suffix2 Disable

Suffix2 Enable

Enable suffix 2



Suffix2 Enable

Suffix2 GEN NULL

Set general suffix2 to NULL



Suffix2 Gen NULL

Suffix2 GEN TAB

Set general suffix2 to TAB



Suffix2 Gen TAB

Online and Batch Modes

Batch Mode

Configure C200 as batch device



Batch Mode

Clear Data

Clear batch data



Clear Data

cubeIQ Upload

Upload record number and data



CubeIQ Upload

Upload Data

Upload batch data



Upload Data

Display Record#

Display number of batch records



Display Record#

Real Time Mode

Configure C200 as real time device



Real Time Mode

Disable Alibi Memory

Alibi Memory disabled



Disable Alibi Memory

Enable Alibi Memory

Alibi Memory enabled



Enable Alibi Memory

Online and Batch Modes

Lookup

Scan Lookup followed by the REF/AWB number to output Alibi record



0
Numeral 0



1
Numeral 1



2
Numeral 2



3
Numeral 3



4
Numeral 4



5
Numeral 5



6
Numeral 6



7
Numeral 7



8
Numeral 8



9
Numeral 9



Battery Bcast OFF

Disables broadcast battery level



Battery Bcast OFF

Battery Bcast 1min

Broadcast battery level every 1 minute



Battery Bcast 1min

Battery Bcast 10min

Broadcast battery level every 10 minute



Battery Bcast 10min

Battery Bcast 30min

Broadcast battery level every 30 minute



Battery Bcast 30min

cubeiQ Off Floor
cubeiQ instruction Off Floor



cubeiQ Pallet
cubeiQ instruction insert pallet



cubeiQ SAL
cubeiQ instruction same as last



Off Floor OFF
Turns Off Floor mode OFF



Off Floor ON
Turns Off Floor mode ON



Pallet CHEP
117 x 117



Pallet EU
120 x 80



Pallet UK
120 x 100



Pallet US
40 x 48



Insert DIMS 300 400 500 mm
Insert 3 dimensions



Insert DIM 300mm
Insert 1 dimension



Insert DIMS 300 400 mm
Insert 2 dimensions



Repeat Last 3
Repeat last 3 dimensions



Append ON
Append ON



Workflow Options

Workflow 1DIM

Set workflow to 1 dimension
(one item at a time)



Workflow 1DIM

Workflow 2DIM

Set workflow to 2 dimensions



Workflow 2DIM

Workflow 3DIM

Set workflow to 3 dimensions
(three dimensions at a time)



Workflow 3DIM

Workflow 3DIM+

Set workflow to 3 dimensions plus
(three dimensions plus control items at a time)



Workflow 3DIM+



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