C200 Configuration Guide

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	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 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.

◗)) Behaviour

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

Factory Defaults

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 configurationt

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 High

Sound Medium
Sound is medium

Sound Medium

Sound Low
Sound is low

Sound Low

International Settings

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

International Settings

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 Ukranian 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

Prefixes

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

Prefixes

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

⟯⟯ Suffixes

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

Suffixes

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

Lookup

Numerals

0
Numeral 0

0

1
Numeral 1

1

2
Numeral 2

2

3
Numeral 3

3

4
Numeral 4

4

5
Numeral 5

5

6
Numeral 6

6

7
Numeral 7

7

Numerals

8	**9**
Numeral 8	Numeral 9

))) Battery

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

Shortcuts

cubeiQ Off Floor
cubeiQ instruction Off Floor

cubeiQ Off Floor

cubeiQ Pallet
cubeiQ instruction insert pallet

cubeiQ Pallet

cubeiQ SAL
cubeiQ instruction same as last

cubeiQ SAL

Off Floor OFF
Turns Off Floor mode OFF

Off Floor OFF

Off Floor ON
Turns Off Floor mode ON

Off Floor ON

Pallet CHEP
117 x 117

Pallet CHEP

Pallet EU
120 x 80

Pallet EU

Pallet UK
120 x 100

Pallet UK

Shortcuts

Pallet US
40 x 48

Pallet US

Insert DIMS 300 400 500 mm
Insert 3 dimensions

Insert dims 300 400 500 mm

Insert DIM 300mm
Insert 1 dimension

Insert dim 300mm

Insert DIMS 300 400 mm
Insert 2 dimensions

Insert dims 300 400 mm

Repeat Last 3
Repeat last 3 dimensions

Repeat last 3

Append ON
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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