C190POS
User Guide

VERSION 1.0.1

Some features in this guide
are unsupported in product
with SN prior 201xxxx

cubetape

Contents

Introduction

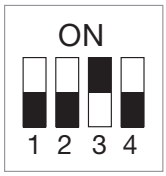
This guide provides comprehensive information for the setup, configuration and maintenance of the C190POS Scanning-Dimensioning device and the C190DSK accessory. It contains shortcuts for end users, configuration barcodes for system management, communication options, data and transmission formats, dimensioning units and precision, and supported software information.

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

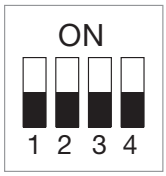
Factory default settings are:

Setting	Factory Default
Bluetooth	Cradle Pairing Mode
Keyboard	English
Send Option	1DIM
Data Format	TAB
Source Prefix	OFF
Units	inches
Precision	nearest whole
Reverse Tare Value	112

Dip switches beneath cradle:



Default Mode (HID)



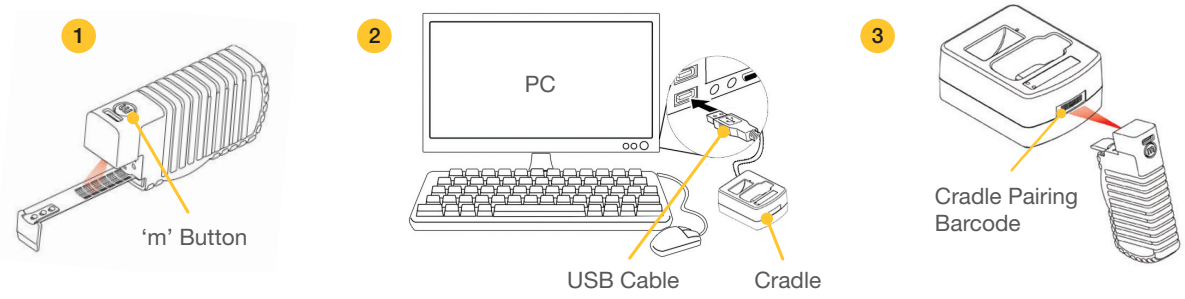
Application Mode (SPP)

About

Getting Started

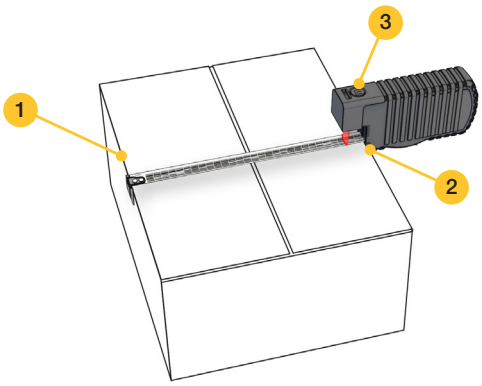
C190POS is a precision measuring instrument and barcode scanner with a wide range of configurable options including measurement units, precision and data formatting and will connect to most platforms including Windows Android and iOS. Cubetape scanner dimensioners have factory defaults set for common terminal, communication and measurement requirements. Settings can be changed by scanning the barcodes in this guide with further options available at **www.cubetape.com/downloads**
Register your device at www.cubetape.com/register
For support email **support@cubetape.com**

1. **Power ON:** Hold down 'm' button for **2 seconds.**
   Power OFF: Hold down 'm' button for **5 seconds.**
2. **Cradle Install on PC:** LED on cradle confirms power connection.
3. **Connect Cubetape to Cradle:** Scan Cradle Pairing Barcode to pair. Blue LED solid when connected.



Measuring Techniques:

1. Hook the tape end over the far edge of the package.
2. Align the tape exit to the near edge.
3. Press the 'm' button to record and transmit the measurement.



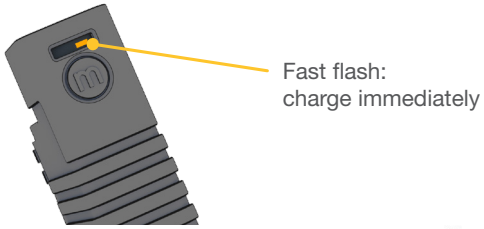
Battery Warning LED:

LED OFF: Battery between 40% - 100%.

LED Slow Flash: Battery between 20% - 40%.

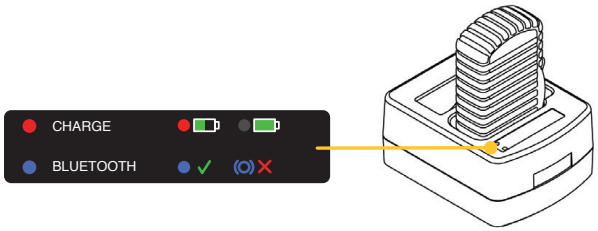
LED Medium Flash: Battery between 10% - 20%.

LED Fast Flash: Battery below 10% recharge immediately.



Charging:

To charge battery place the device in the cradle.
Battery is charging when the charge LED is **RED**.
Battery is fully charged when the charge LED is off.



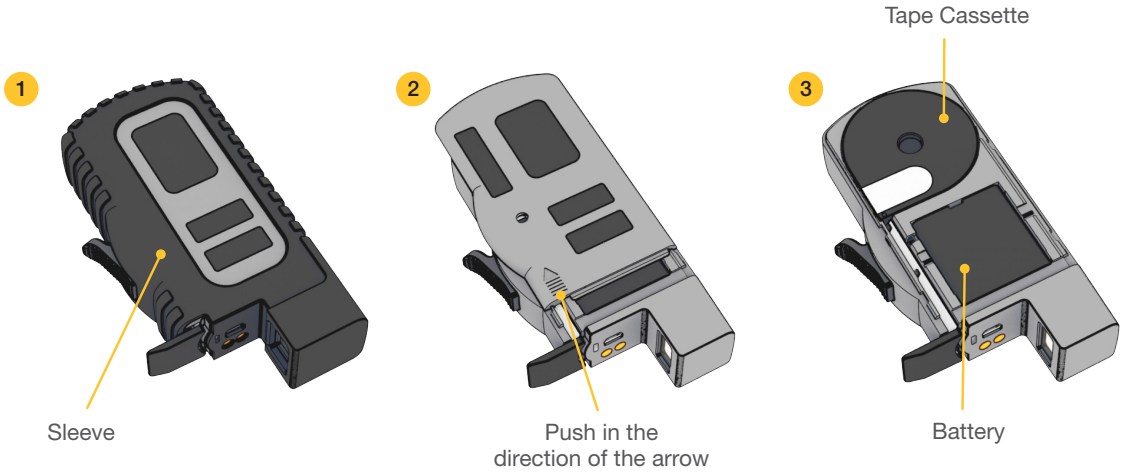
Battery/Power Management:

For power management of USB devices when PC is in sleep mode:
https://www.top-password.com/blog/set-windows-to-power-on-off-usb-devices-in-sleep-mode/

Getting Started

Battery and Tape Compartments:

1. Remove the silicone rubber sleeve.
2. Slide the back cover open and remove it.
3. Remove the tape cassette or battery.



Connect directly to PC (without cradle):

Scan Bluetooth Direct Mode (HID) barcode.
Open PC Settings/Add Bluetooth Device/Select Cubetape.
When LED is solid **BLUE**, Cubetape is paired.

Connect directly to Android Device (without cradle):

Scan Bluetooth Direct Mode (HID) barcode.
Open Android Device Settings/Add Bluetooth Device/Select Cubetape.
When LED is solid **BLUE**, Cubetape is paired.

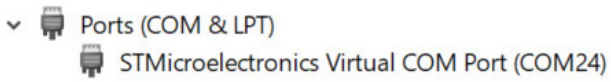
Bluetooth Direct Mode (HID)

Register your device at www.cubetape.com/register
For support email **support@cubetape.com**
Some features in this guide are unsupported in product with SN prior 201xxxx.

Using the C190DSK Cradle

The C190DSK Cradle functions as a charge station and a Bluetooth bridge. When connected to a PC in default mode (HID), it allows data collected and transmitted by Cubetape to be inserted into the active application where the cursor is located. Default mode uses a generic Windows driver so there is no need to install a special driver.

When connected to a PC in application mode (SPP), data collected and transmitted by Cubetape is sent to a virtual COM port on the PC. Windows needs a driver installed for this function. The driver is available for download at **www.cubetape.com/downloads** in the drivers and utilities folder, and once installed the entry in Windows Device Manager is as follows (note the assigned COM port number is variable).



Once the driver is installed, data can be received at the PC COM port by connecting an application using the following setup options:

User Shortcuts

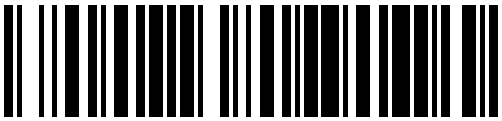
Resend last 3 dimensions


Resend

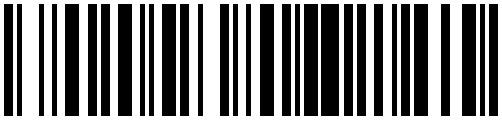
Insert US Pallet 48 x 40


US Pallet 48 x 40

Insert CHEP Pallet 117 x 117


CHEP Pallet 117 x 117

Insert UK Pallet 120 x 100


UK Pallet 120 x 100

Insert EURO Pallet 120 x 80


EURO Pallet 120 x 80

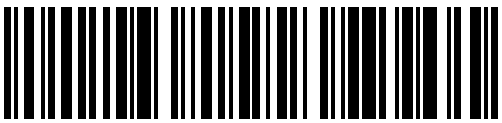
Add next 2 measurements (max 19.6 feet)


Add/Append

Reverse Tare ON for next measure


Reverse Tare ON

Create custom shortcuts by encoding values and format characters to suit the application. For example, to create a shortcut to insert 3 values “1200, 100, 50” into 3 adjacent fields in a speadsheet, create and print a Code 128 symbology barcode with the following data: “1200<TAB>100<TAB>50


Custom 1200 x 100 x 50

System Settings

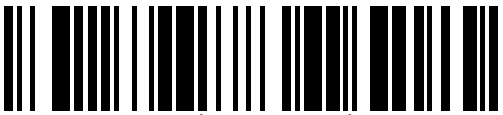
Return C190POS Settings to Factory Defaults

Default Factory Setting

Return Scan Engine to C190POS Defaults

Scan Engine Factory Setup

Output Battery Level



Read Battery Level

International Settings

European Decimal ON

EU Decimal ON

European Decimal OFF

EU Decimal OFF

Uses English Keyboard Layout in HID Communications without Cradle

Direct English Keyboard

Uses French Keyboard Layout in HID Communications without Cradle

Direct French Keyboard

Uses German Keyboard Layout in HID Communications without Cradle

Direct German Keyboard

Uses Spanish Keyboard Layout in HID Communications without Cradle

Direct Spanish Keyboard

Uses Italian Keyboard Layout in HID Communications without Cradle

Direct Italian Keyboard

Uses Belgian Keyboard Layout Communications without Cradle

Direct Belgian Keyboard

Uses Japanese Keyboard Layout in HID Communications without Cradle

Direct Japanese Keyboard

International Settings

Uses English Keyboard Layout in HID Communications using the Cradle

Cradle English Keyboard

Uses French Keyboard Layout in HID Communications using the Cradle

Cradle French Keyboard

Uses German Keyboard Layout in HID Communications using the Cradle

Cradle German Keyboard

Uses Spanish Keyboard Layout in HID Communications using the Cradle

Cradle Spanish Keyboard

Uses Italian Keyboard Layout in HID Communications using the Cradle

Cradle Italian Keyboard

Uses Belgian Keyboard Layout Communications using the Cradle

Cradle Belgian Keyboard

Uses Japanese Keyboard Layout in HID Communications using the Cradle

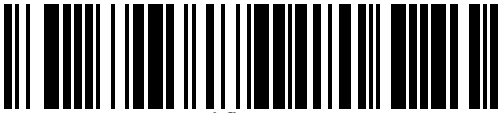
Cradle Japanese Keyboard

Workflows

C190POS can be setup to send dimensions one at a time or in sets of three. These options are called 1DIM and 3DIM. 3DIM must be used with some shipping applications, and can be used anytime as a user preference.

3DIM also allows configuration of the separator ('X' in the following 3DIM example string): 48X40X36.

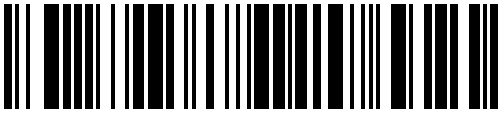
Workflow 1DIM
Transmit single dimension


Workflow 1DIM

Workflow 3DIM
Transmit set of 3 dimensions


Workflow 3DIM

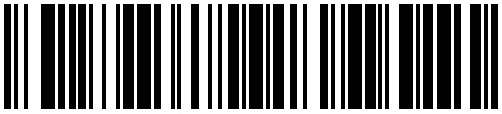
Separator = x


Separator x

Separator = X


Separator X

Separator = TAB


Separator TAB

Separator = CR


Separator CR

Data Format Suffix

Disable Suffix	Disable Suffix
Enable Suffix	Enable Suffix
Suffix = TAB	Suffix = TAB
Suffix = LF	Suffix = LF
Suffix = CR	Suffix = CR
Suffix = CRLF	Suffix = CRLF
Suffix = Space	Suffix = SP
Suffix = TABTAB	Suffix = TABTAB
Suffix = CRTAB (Systec Integration)	Suffix = CRTAB
Suffix = COMMA	Suffix = COMMA

Imperial/Inch Dimensioning Units and Precision with C190T-U Universal Tape

Scan a unit barcode (inches) followed by a precision barcode (nearest or next whole) to set dimensional output.

Note: Metrological certification in some jurisdictions dictates the units and precision to be used in legal for trade transactions.

Units = inches


Inches-U

Precision = nearest 1"


Nearest Whole

Precision = next 1"


Next Whole

Metric Dimensioning Units and Precision with C190T-U Universal Tape

Scan a unit barcode (metres or centimetres) to set dimensional output.

Note: Metrological certification in some jurisdictions dictates the units and precision to be used in legal for trade transactions.

Units = metres

Units = centimetres

Dimensioning Units and Precision with C190T-C and CN Standard Tape

Scan a unit barcode (inches or centimetres) followed by a precision barcode (nearest or next whole) to set dimensional output.

Note: Metrological certification in some jurisdictions dictates the units and precision to be used in legal for trade transactions.

Units = centimetres

Centimetres-M

Precision = nearest 1 cm

Nearest Whole

Units = inches

Inches-M

Precision = nearest 1/2"

Halves

Precision = nearest 1"

Nearest Whole

Precision = next 1 "

Next Whole

Supported Software

In default mode (HID) **either directly connected to a host or via a cradle,**
POS can insert data into the active application on the screen.
Live examples include:

- Pitney Bowes SendPRO Suite
- DHL Express Shipping Application
- FedEx Ship Manager
- Cubiscan/Q-bit
- PC Synergy-Postalmate
- Fastway Courier Application
- Unisys LMS
- CargoWise
- ParcelCube

In application mode (SPP) **either directly connected to a host or via a cradle,**
Cubetape is integrated with:

- OctoStatic
- OctoScantape
- CheckMate Windows Edition
- CheckMate Android Edition
- Dockmaster (Crown)

www.cubetape.com

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