

# KEYENCE BT-A700G - Scanner Parameters

## Purpose

This guide describes the required scanner settings on the KEYENCE BT-A700G so that COBI.wms can correctly recognize and process barcodes (e.g., EAN/UPC, Code128, EAN128/GS1). Key points:

\* Enable **AIM ID Prefix** (reliable barcode type identification) \* Configure **Data Output** correctly (KeyEvent + Intent/Broadcast) \* Set **Intent extras (Code type / Raw data / Data)** (proper handover to COBI.wms)

## Step-by-step instructions

### 1) Open Android Settings (Fig. 1)

1. Open the **app overview** (home screen / list of all apps). 2. Tap **Settings**.

### 2) Open Scanner Settings (Fig. 2)

1. In Android Settings, select **Scanner** (scan parameters, code settings).

### 3) Open Data Formatting (Fig. 3)

1. In the **Scanner** menu, scroll to the **Data** section. 2. Open **Data formatting**.

### 4) Enable "AIM ID Prefix" (Fig. 4)

1. Enable **AIM ID Prefix** (check the box).

## Why this matters:

The AIM ID adds an identifier to the scanned data so COBI.wms can reliably determine the **barcode type** (e.g., GS1/EAN128 vs. Code128). This is especially important for GS1 logic (AI structures).

### 5) Go back and open "Data Output" (Fig. 5)

1. Go **one step back** to the Scanner menu. 2. Open **Data output**.

## 6) Set Transmission Type to “KeyEvent” (Fig. 6)

1. Under **Transmission type**, set the value to **KeyEvent**.

**Short note:** “KeyEvent” sends scanned data as keyboard/event input (keystrokes), improving compatibility and handling of special characters/structures in input fields.

## 7) Enable Intent and configure Broadcast (Fig. 7)

1. In **Data output**, tap **Intent**. 2. Enable **Intent** (check the box). 3. Under **Action**, enter this value exactly:

- ``de.cobi.wms.action.DATAWEDGE_BARCODE``

4. Set the **Transmission type** in the Intent section to:

- **Broadcast**

**Why this matters:** COBI.wms expects scan data via a defined Intent action. Using **Broadcast** ensures the scan Intent is delivered to the app so the correct internal logic is triggered.

## 8) Set Intent extras: Code type / Raw data / Data (Fig. 8)

Scroll further down in the Intent settings and set these values **manually**:

\* **Code type** → ``com.motorolasolutions.emdk.datawedge.label_type`` \* **Raw data** →  
``com.motorolasolutions.emdk.datawedge.source`` \* **Data** →  
``com.motorolasolutions.emdk.datawedge.data_string``

These extras ensure COBI.wms receives the information in the expected structure and can process the barcode logic correctly (including type/source/payload).

### Final step: Restart the app

1. **Fully close COBI.wms** (remove it from the recent apps list / swipe it away). 2. **Open COBI.wms again**. 3. Start scanning and validate the result.

## Troubleshooting / Support

If issues persist:

1. Re-check all settings (especially **AIM ID, KeyEvent, Intent + Action, Broadcast, Extras**). 2. Reboot the device and test again. 3. If the problem still occurs, please send:

- the **exact workflow** (module, input field, what you scan),
- **screenshots** of the settings,

- the **affected barcodes** (sample data)

to: **[support@cobisoft.de](mailto:support@cobisoft.de)**.

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