

# 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).

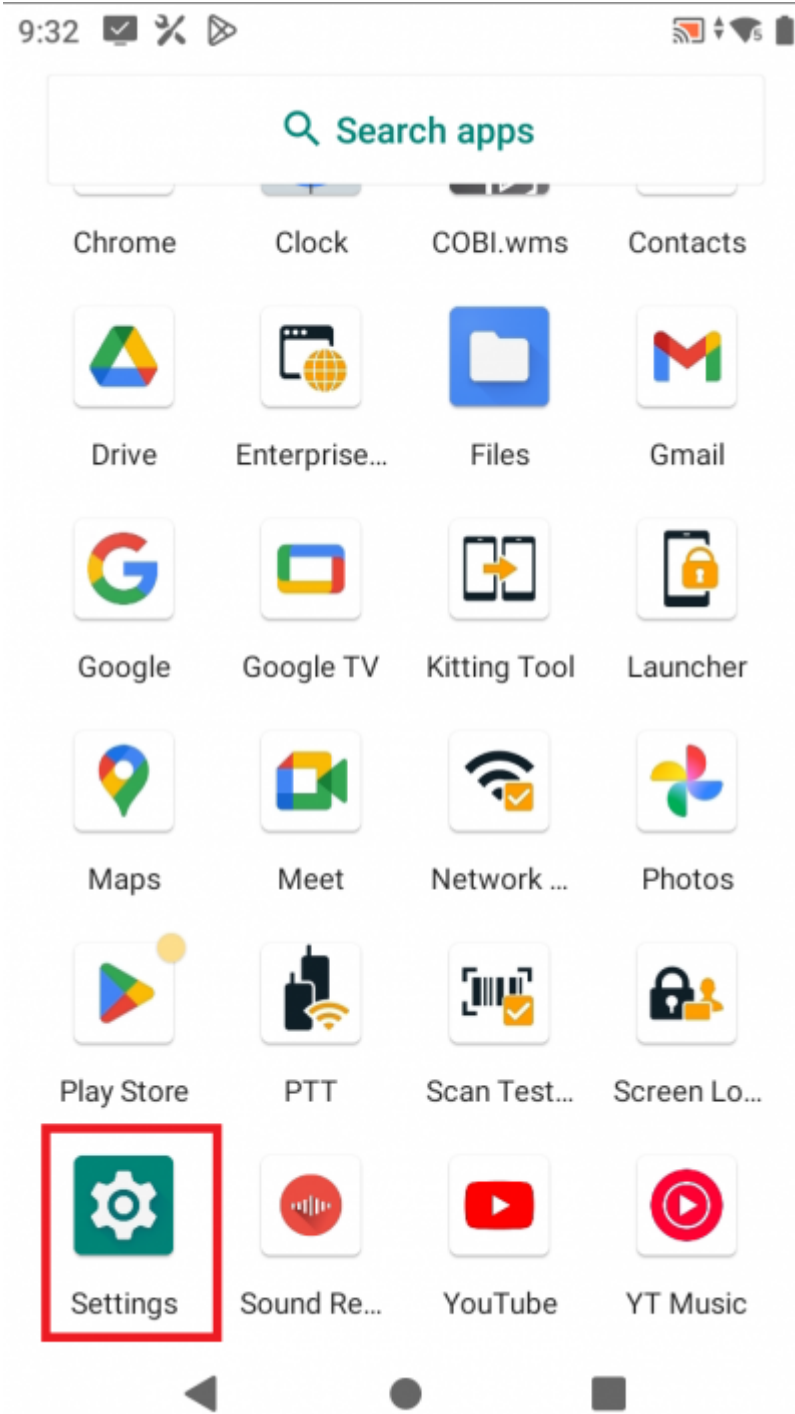
Key points:

- 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

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



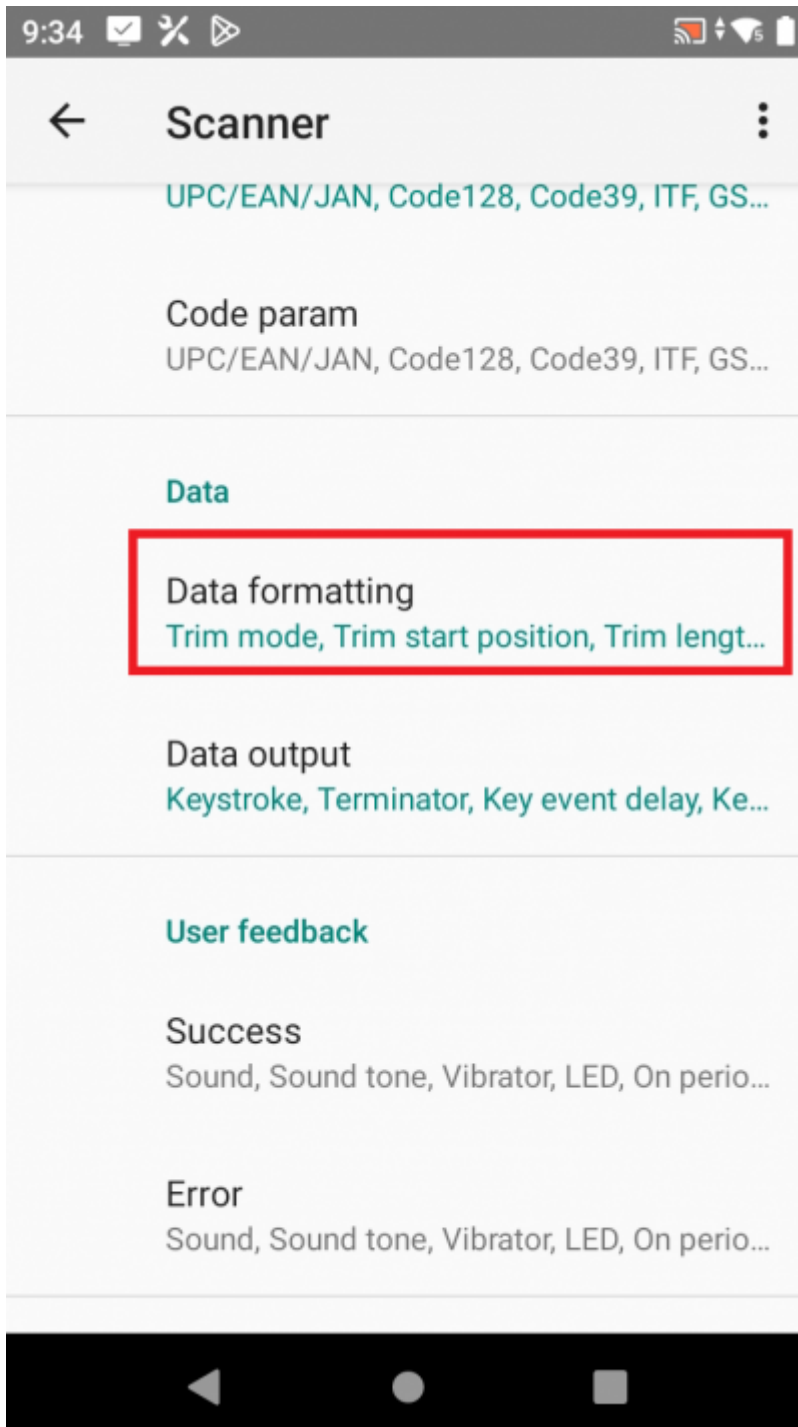
## 2) Open Scanner Settings

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



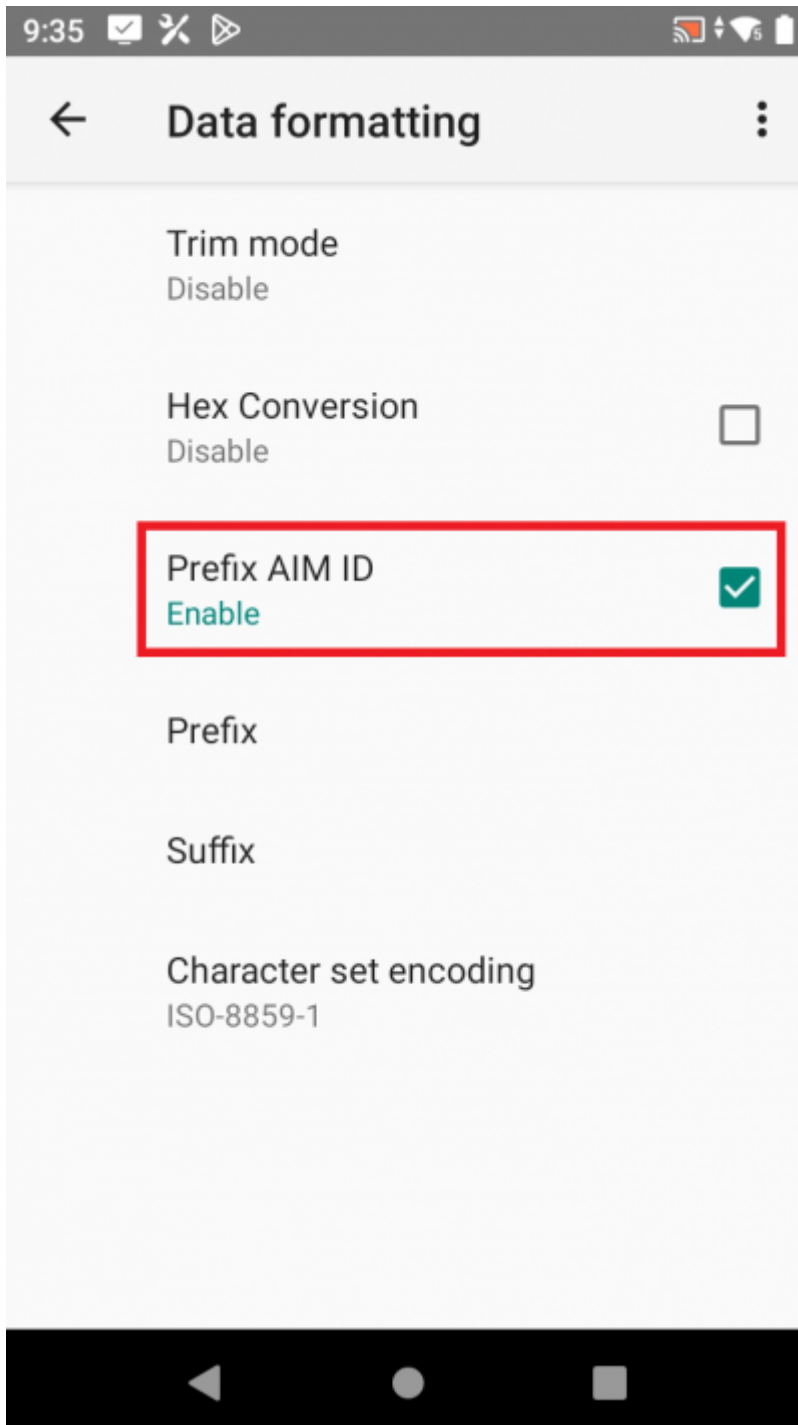
### 3) Open Data Formatting

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



#### 4) Enable “AIM ID Prefix”

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

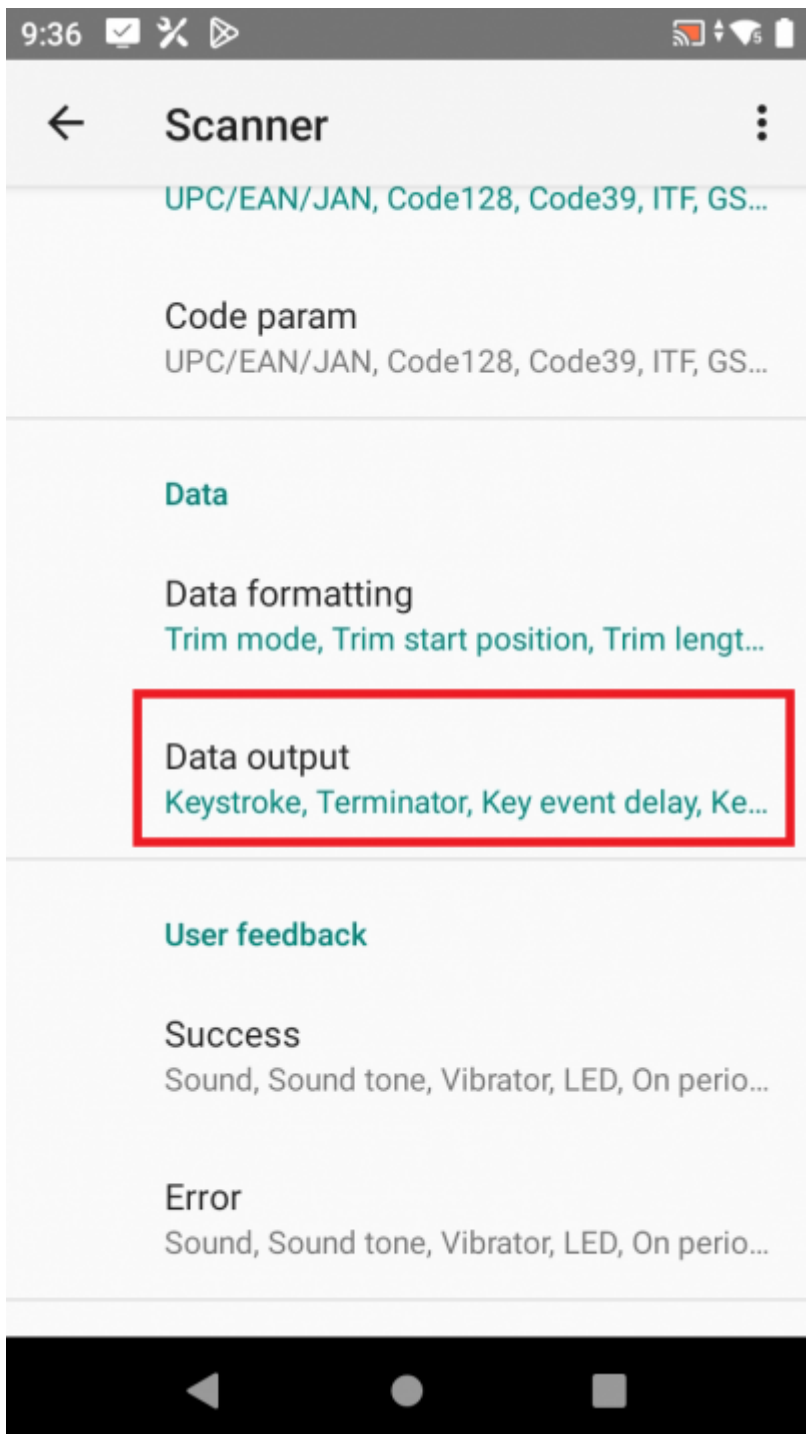


### Why this matters:

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"

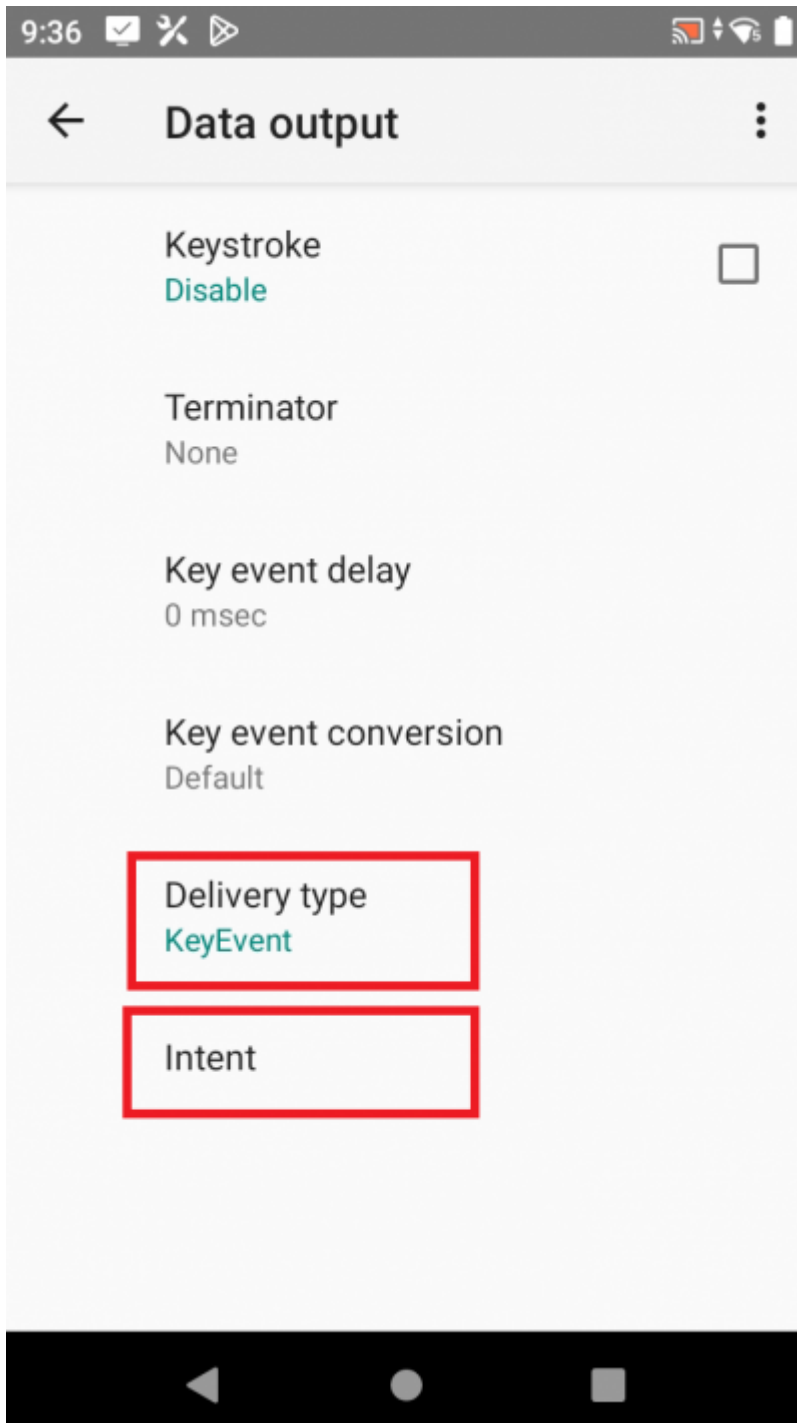
1. Go **one step back** to the Scanner menu.
2. Open **Data output**.



## 6) Set Transmission Type to “KeyEvent”

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.

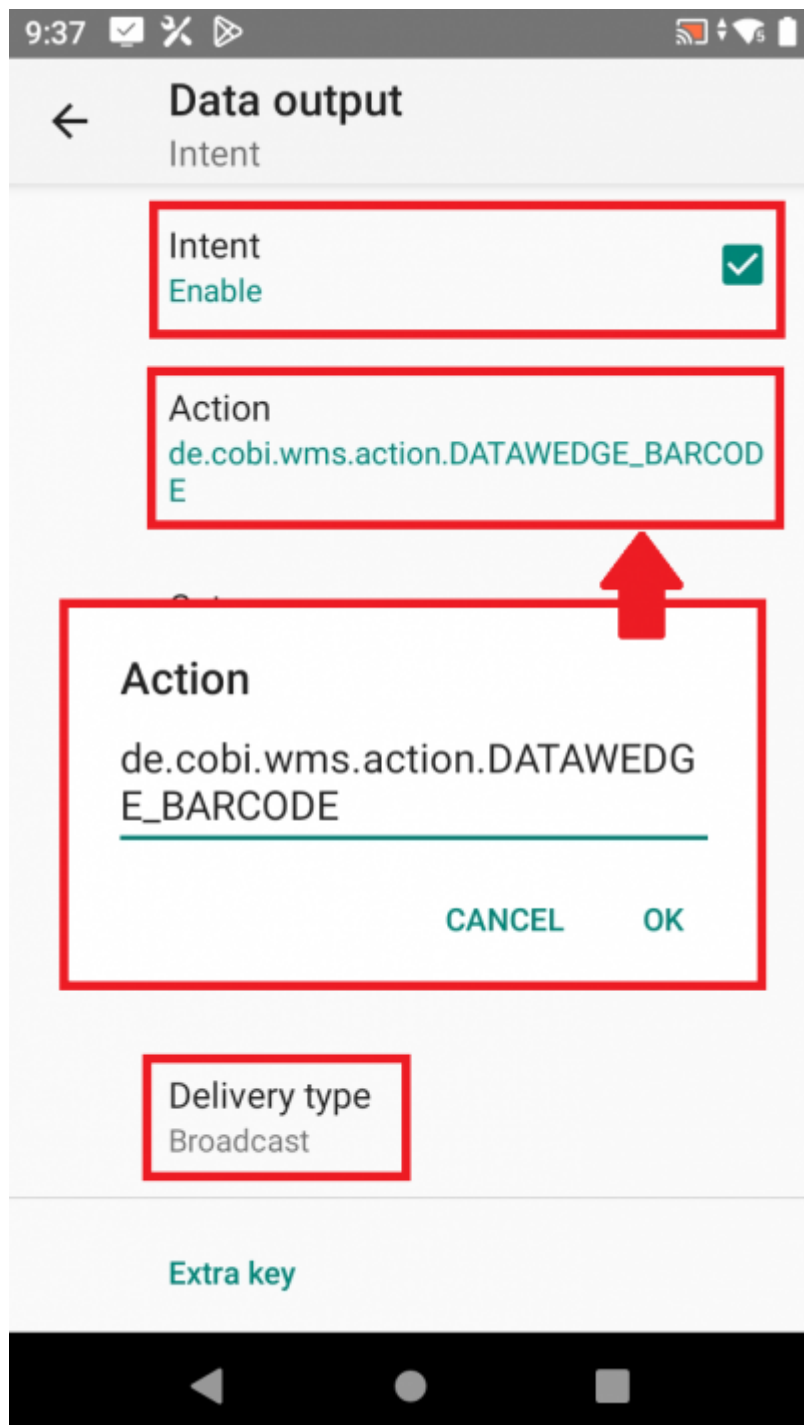


## 7) Enable Intent and configure Broadcast

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.

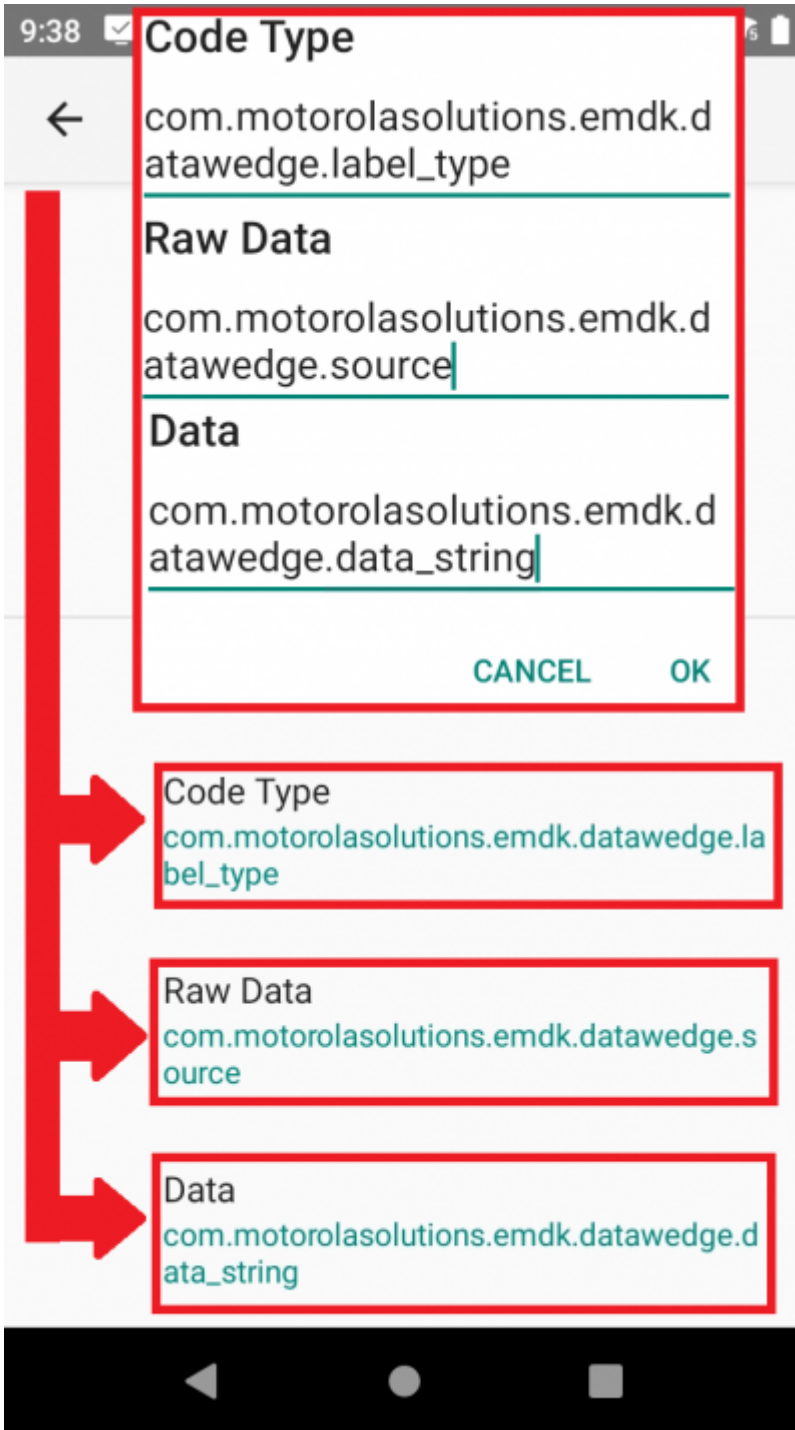


### 8) Set Intent extras: Code type / Raw data / Data

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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