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**.

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