Configure KeyboardEmulator

Purpose

To ensure barcode scans on Honeywell MDE devices are received correctly by **COBI.wms**, the **keyboardemulator** app must be configured to send scan data via **BroadcastReceiver** to COBI.wms.

Prerequisites

- Honeywell MDE (Android)
- **keyboardemulator** app (verified with **v11.4.3.M**)
- COBI.wms installed
- Recommended: close COBI.wms while applying the settings

Required Settings (Summary)

- **Function**: enable scanner, enable **Barcode2D**, set KeyCode
- **AppSettings**: enable **BroadcastReceiver** and set action/key
- Optional/recommended: **End mark = Enter**

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1) Enable Scanner and configure Barcode2D (Tab "Function")
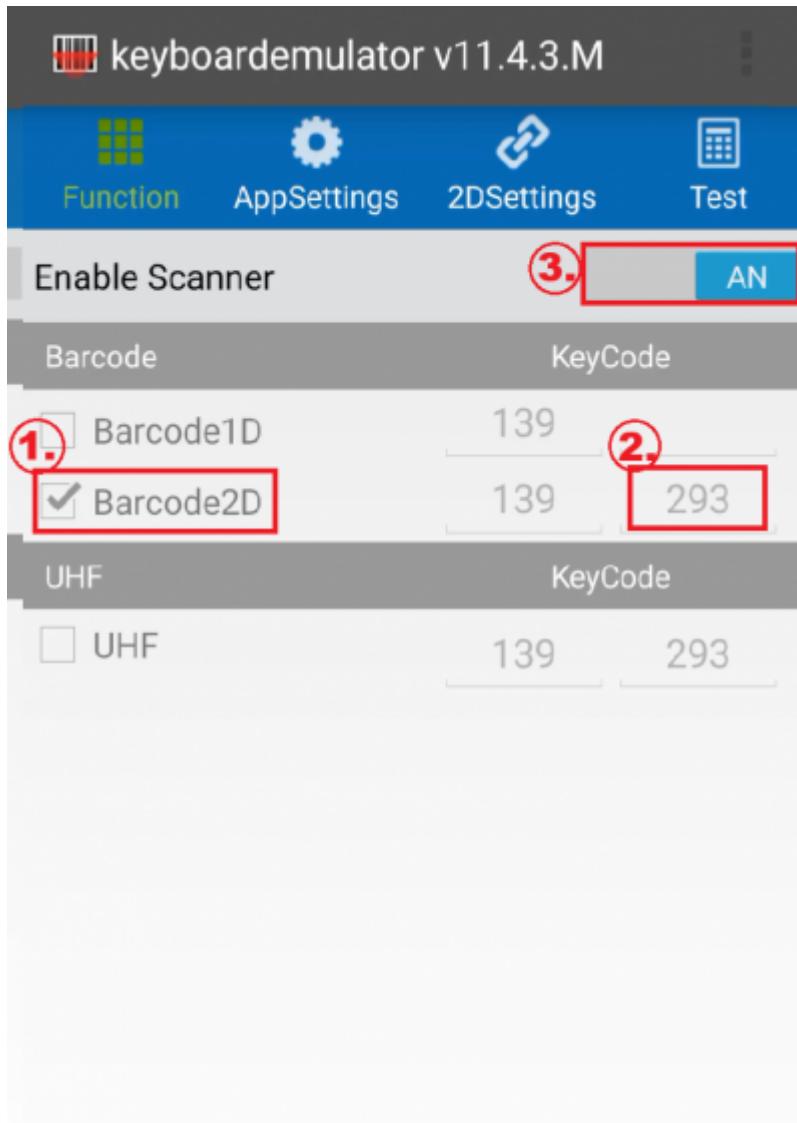
1. Open **keyboardemulator**.
2. Go to the **Function** tab.
3. Apply/verify the following:
    1. **Barcode2D**: enable (check the box). *(see marker 1)*
    2. **KeyCode**: set to **293**. *(see marker 2)*
    3. **Enable Scanner**: set to **AN** (On). *(see marker 3)*

Note: Depending on the device setup, Barcode1D may also be used. For COBI.wms it is essential that scans are triggered and then forwarded via Broadcast (next step).

2) Configure BroadcastReceiver for COBI.wms (Tab "AppSettings")
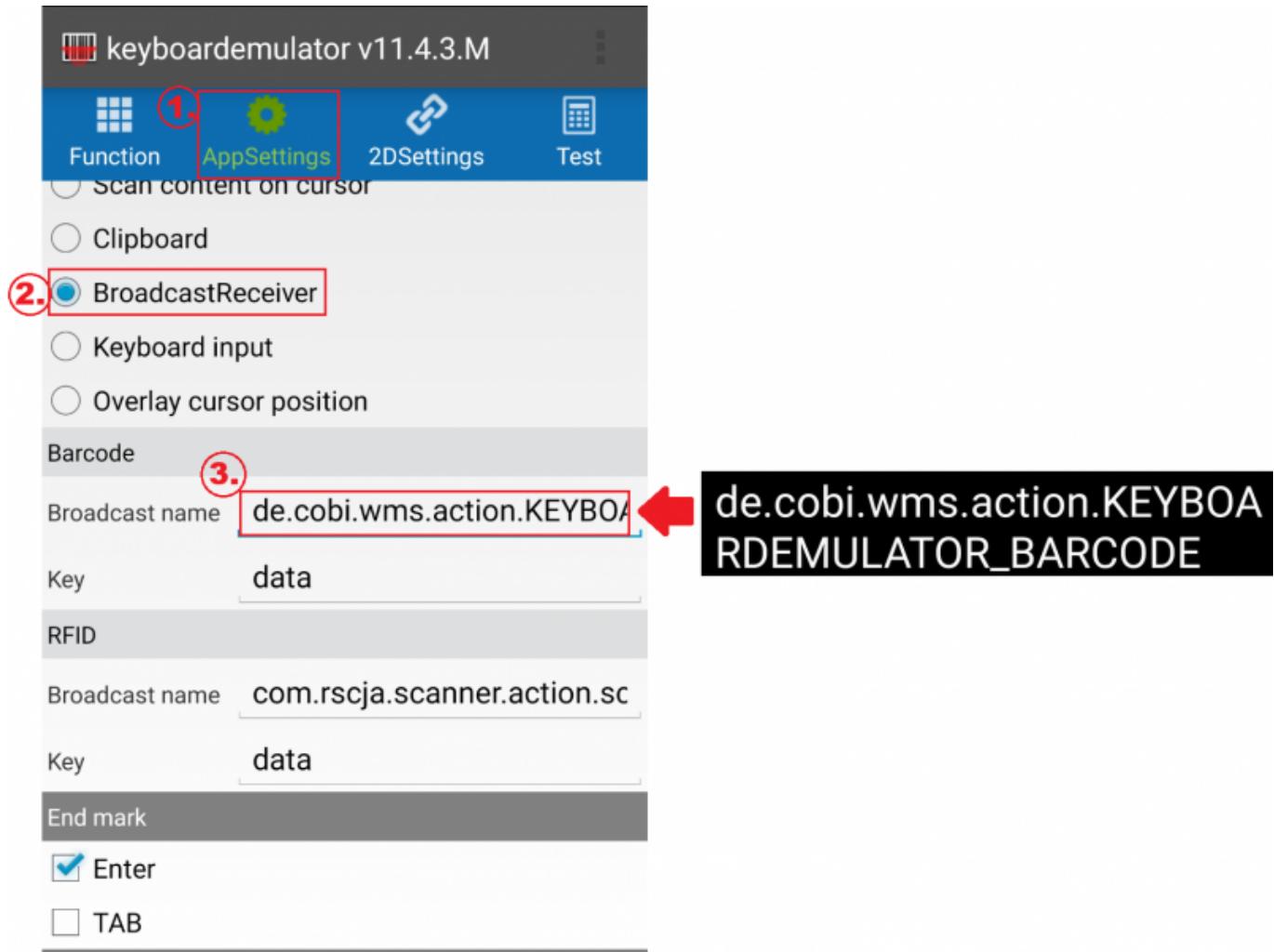
1. Switch to the **AppSettings** tab. *(see marker 1)*
2. Select **BroadcastReceiver** as the output mode. *(see marker 2)*
3. In section **Barcode**, set:
   - **Broadcast name**: **de.cobi.wms.action.KEYBOARDEMULATOR_BARCODE** *(see marker 3)*
   - **Key**: **data**
4. (Optional/recommended) In section **End mark**:
   - Enable **Enter**
   - Keep **TAB** disabled

Important: The broadcast name must match **exactly**, including capitalization and underscores.

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3) Test in COBI.wms

1. Open **COBI.wms**.
2. Navigate to a field where scanning is expected (e.g., login, item/barcode field).
3. Scan a barcode.
4. Expected result: COBI.wms receives the value and processes it (e.g., item is found).

If nothing is received:

- fully close COBI.wms (task switcher) and reopen it

- verify **BroadcastReceiver** is selected (not "Keyboard input")
- verify **Broadcast name** and **Key** are correct

Troubleshooting (common causes)

- **No reaction in COBI.wms**
  1. BroadcastReceiver not enabled / wrong broadcast name
  2. COBI.wms was running during changes → restart the app
- **Scans appear as normal keyboard typing**
  1. output mode is set to "Keyboard input" instead of "BroadcastReceiver"
- **Scan is sent but value is empty**
  1. the extra "Key" must be **data** (COBI.wms reads the barcode value from this field)

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