

# Honeywell MDE: 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”)

The screenshot shows the 'Function' tab of the 'keyboardemulator v11.4.3.M' app. At the top, there are four icons: a keyboard (Function), a gear (AppSettings), a link (2DSettings), and a calculator (Test). Below these is the 'Enable Scanner' section with a red circle '3.' next to a grey box and a blue 'AN' button. The 'Barcode' section has two rows: 'Barcode1D' with a red circle '1.' next to an unchecked checkbox and 'Barcode2D' with a checked checkbox and a red circle '2.' next to a text box containing '293'. Both rows have a 'KeyCode' column with the value '139'. The 'UHF' section has a red circle '1.' next to an unchecked checkbox and a 'KeyCode' column with the value '139'.

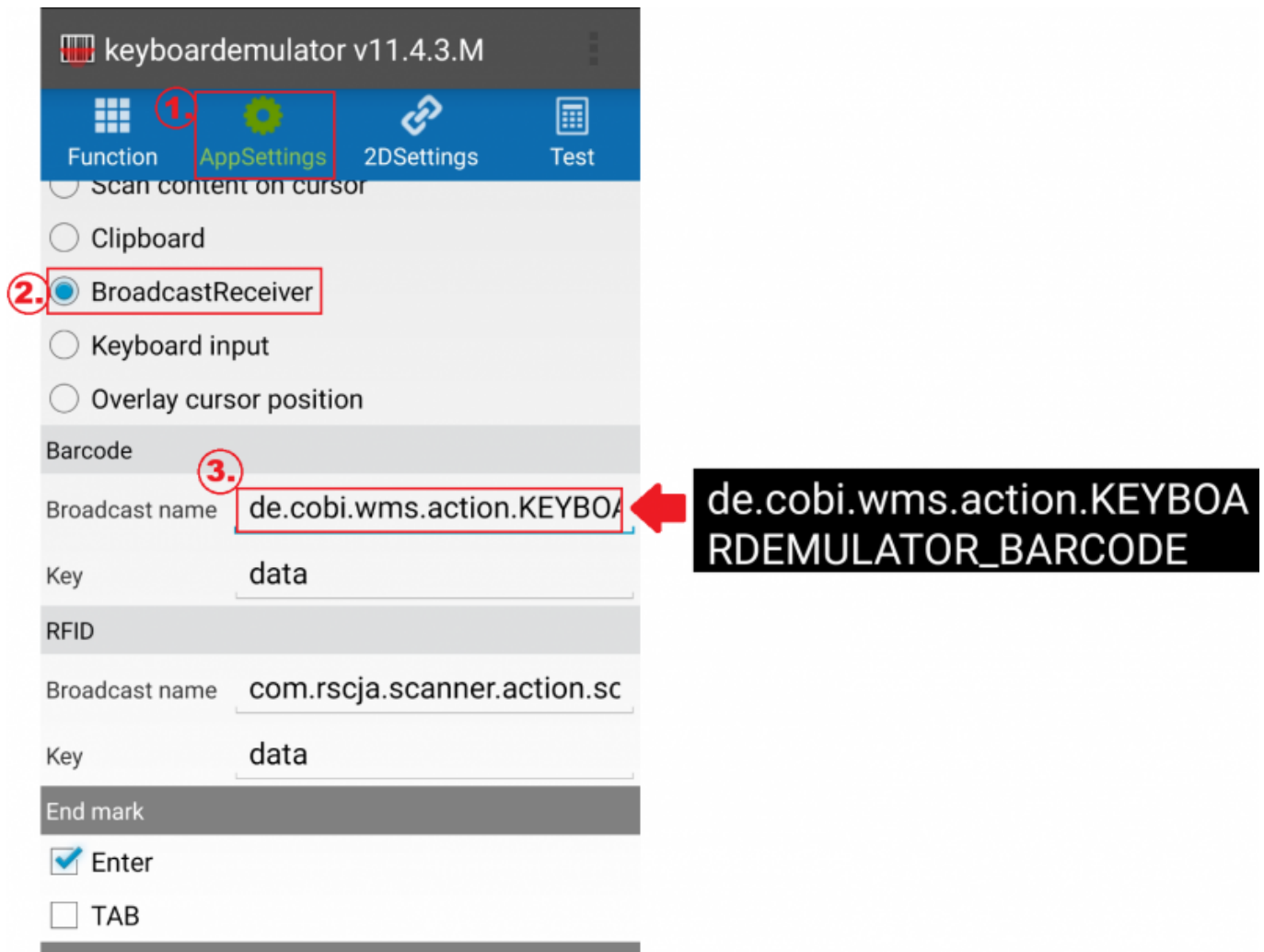
Barcode		KeyCode
<input type="checkbox"/> Barcode1D		139
<input checked="" type="checkbox"/> Barcode2D	293	139

UHF		KeyCode
<input type="checkbox"/> UHF		139

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.KEYBOARD EMULATOR\_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.

### 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

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## 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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