## Filtering RFID tag

When you want to read only the RFID tags containing a specific string, you can use the filter function.

Filter function allows only tag data matched with the filter config is delivered.



### **APPLIES TO**

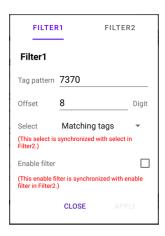
- Model
  - RFID Sled RF85X, RF300, and upcoming models
     PM500 RFID SKU
- RFID Control
- Filter: all versions
   Multiple filter: v2.1.4 and higher
   RFID Control Configuration Tool
- - Filter: all versionsMultiple filter: v2.1.0 and higher

### Filter Configuration

To set filter, you need to input the below items.

Option Name	Description	
Tag pattern	Filter criteria. Reader will find the string you input from the tag data.	
	Note: Input hexadecimal only.	
Offset	Start point in tag data to be compared with tag pattern. Find the same string as the tag pattern at the next digit of the tag data.	
	Note: Enter the number ignoring the number of CRC part digits. (In PM500, include the CRC.)	
Select	<ul> <li>Matching tags: Only deliver the tag data that start with the tag pattern you input.</li> <li>Non-matching tags: Only deliver tag data that doesn't start with the tag pattern you input.</li> </ul>	

### Setting up Filter via RFID Control UI



RFID Sled (RF300, RF851, ,etc.)	PM500 RFID SKU
<ol> <li>Launch RFID Control and connect the RFID sled.</li> <li>Navigate to Configuration &gt; Filter.</li> <li>Enter the setting values.</li> <li>Check Enable filter and tap APPLY.</li> </ol>	<ol> <li>Launch RFID Settings in EmKit.</li> <li>Tap Open RFID.</li> <li>Navigate to Configuration &gt; Filter.</li> <li>Enter the setting values.</li> <li>Check Enable filter and tap APPLY.</li> </ol>



### **Enable Filter**

Must check the **Enable filter** to apply the filter.

# Setting up Filter via JSON file (Using RFID Control Configuration Tool)



- 1. Execute the RFID Control Configuration Tool on your PC.
- 2. Find the Filter section, and input the setting values.
- 3. Check Enable filter.
- 4. Save the configuration as JSON file, and copy the file to the host device.
- **5.** Apply the JSON file via auto or manual update.



### **Enable Filter**

Must check the Enable filter to apply the filter.

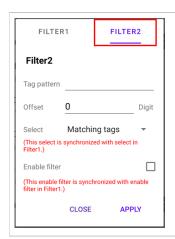
### **Multiple Filters**

From the following versions, you can configure up to two filters.

- RFID Control: v2.1.4 and higher
   RFID Control Configuration Tool: v2.1.0 and higher

Move to FILTER2 tab in the app or tool. and input the second filter values.

**RFID Control RFID Control Configuration Tool** 





If both two filters are set, the below config values are common to Filter 1 and 2.

- SelectEnable filter

After setting Filter 2, do the same process as when setting up filter 1 only to apply the filter.

When the filter configurations are applied properly, the reader can read the data that meet the Filter 1 or Filter 2.

### RELATED ARTICLES

- RFID Configurations (Preview)
   Adjust RFID Reading Speed (Tx Cycle)
   Auto Update RFID Configuration via RFID Control
   Change Configuration of RFID Sled