



User Manual

VIVOTEK Wiegand Converter

AO-20W (900061700G)

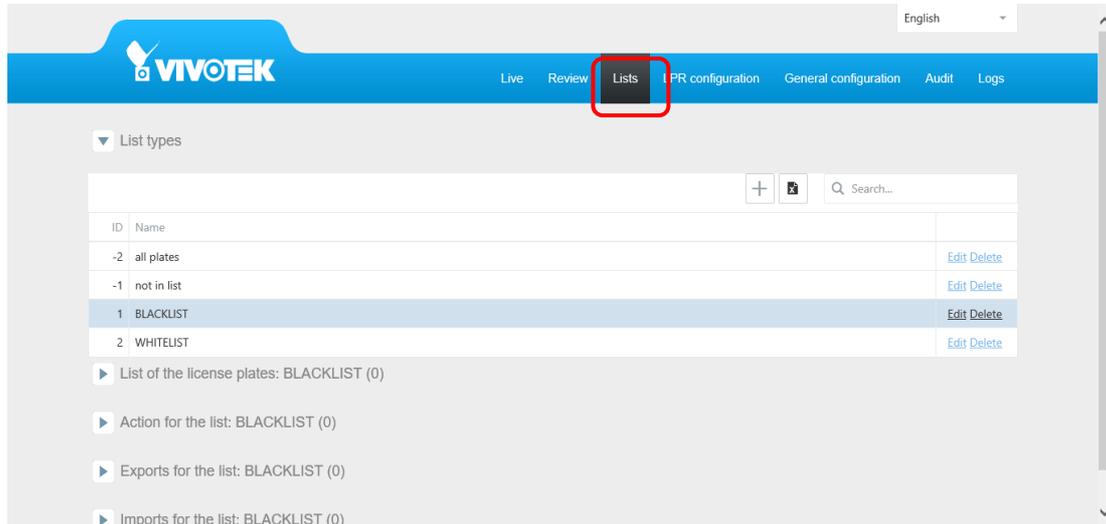
Table of Contents

| | |
|------------------------------------------------------------------------|----------|
| Overview | 3 |
| Scenario description | 3 |
| System Deployment | 3 |
| Configuration in ANPR software | 4 |
| <i>How to configure mapping list</i> | <i>4</i> |
| <i>Configure VIVOTEK Wiegand converter settings in ANPR service...</i> | <i>7</i> |
| Configuration in VIVOTEK Wiegand converter management tool | 8 |

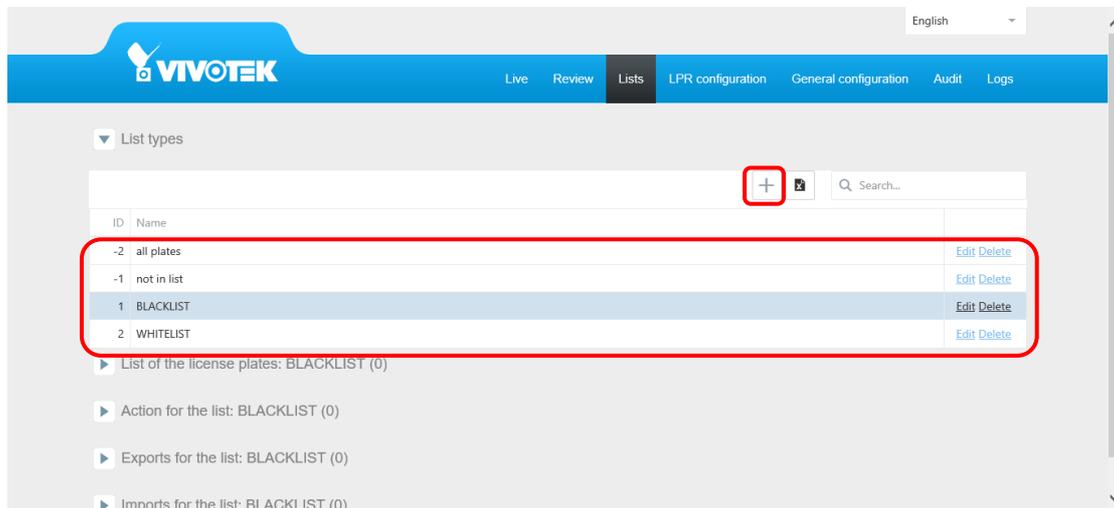
Configuration in the ANPR software

- *How to configure a mapping list*

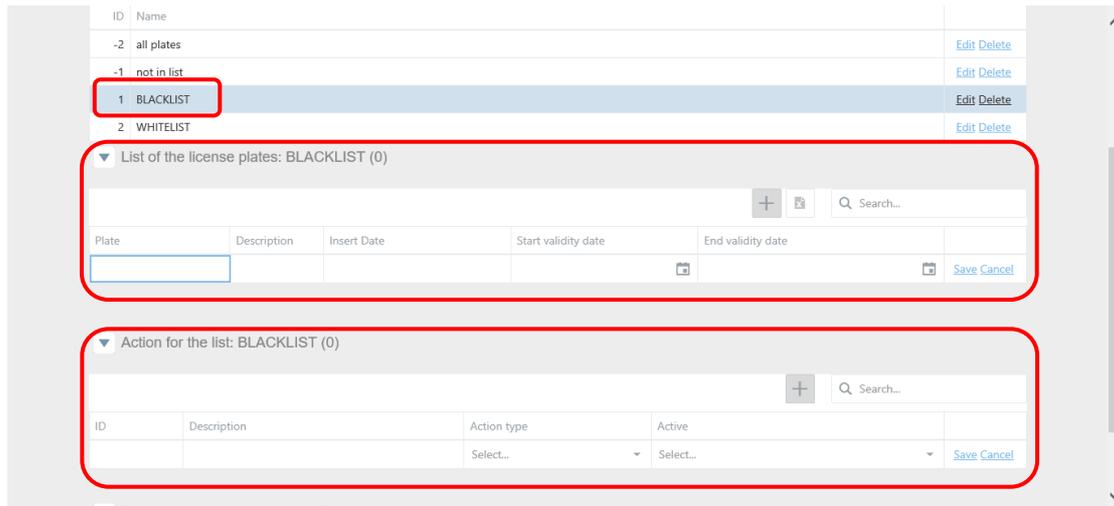
1. Click the “List” tab on the top menu.



2. You can see different types of lists that you can edit. You can also create your own list by clicking the “+” icon.

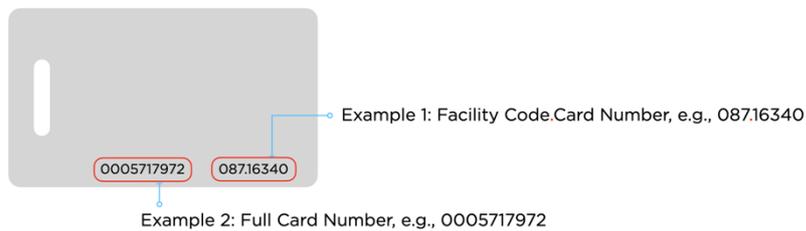


3. Click the list you would like to configure. You will see the “list of license plates” and the “action for the list”.

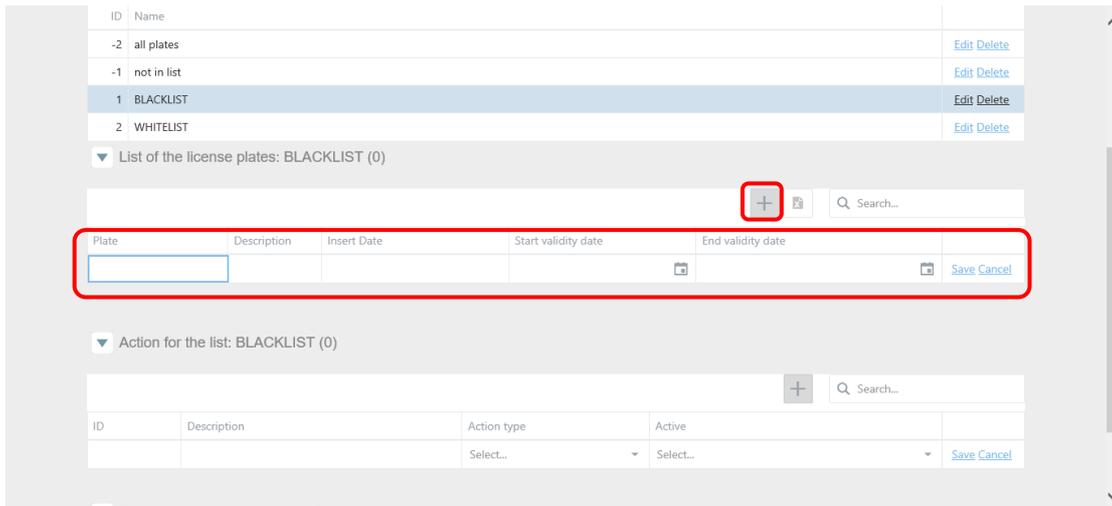


4. Adding a new plate number to a specific list. You can click “+” icon to add a new plate number,

- ◆ Plate: The plate numbers you would like to add to this specific list, for example, ABC321, please remove the dash “-” in the plate number.
- ◆ Description: #ID Card Number#. In this column, you can enter the Facility Code and “.” and Card Number, or you can enter a Full Card Number, either way will work.



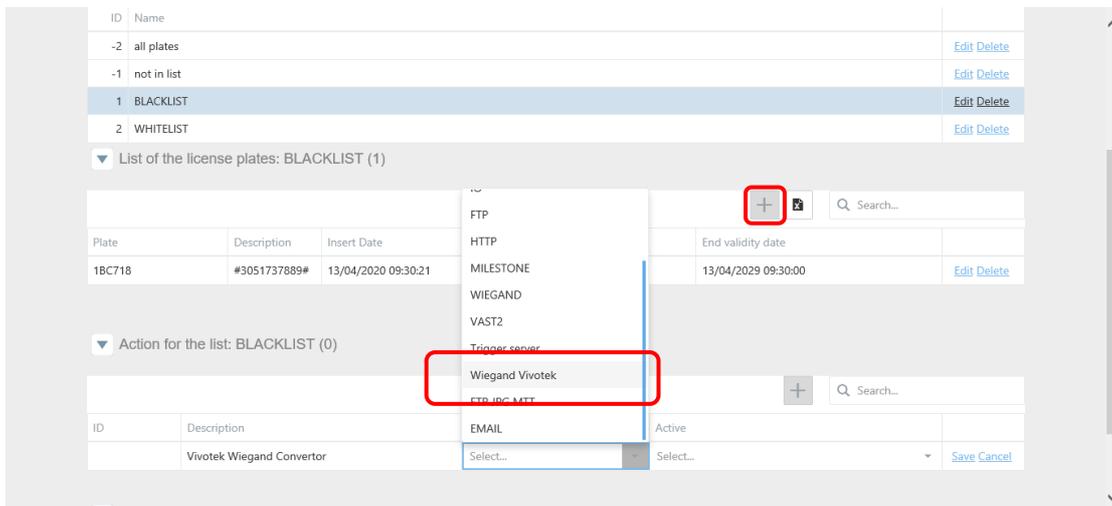
- ◆ Insert date: System will fill this column automatically.
- ◆ Start validity date: you can click the calendar icon to select the date you would like to add.
- ◆ End validity date: you can click the calendar icon to select the date you would like to add.



Please do not forget to click the “Save” button, when you complete the configuration. You can also edit or delete any plate number using the “edit” or “delete” buttons.

5. Adding action to the group.

Click the “+” icon, you can fill in any information on description column, and select “Wiegand Vivotek” on the action type column.



Select “Enabled” on the active column.

| ID | Name | |
|----|-------------|---------------------------------------------|
| -2 | all plates | Edit Delete |
| -1 | not in list | Edit Delete |
| 1 | BLACKLIST | Edit Delete |
| 2 | WHITELIST | Edit Delete |

▼ List of the license plates: BLACKLIST (1)

| Plate | Description | Insert Date | Start validity date | End validity date | |
|--------|--------------|---------------------|---------------------|---------------------|---------------------------------------------|
| 1BC718 | #3051737889# | 13/04/2020 09:30:21 | 13/04/2020 09:30:00 | 13/04/2029 09:30:00 | Edit Delete |

▼ Action for the list: BLACKLIST (0)

| ID | Description | Action type | Active | |
|----|---------------------------|-----------------|---------|---------------------------------------------|
| | Vivotek Wiegand Converter | Wiegand Vivotek | Enabled | Save Cancel |

Please do not forget to click the “Save” button, when you are completing the configuration. You can also edit or delete the action, using the “edit” or “delete” buttons.

- *Configure VIVOTEK Wiegand converter settings in ANPR service*

Click “Wiegand Vivotek” on the action type column to show the “Action properties,” and configure the converter information to ANPR service so that ANPR service is able to find the VIVOTEK Wiegand Converter and know the output format and output bit length it should use to send to the converter.

▼ Action for the list: WHITELIST (1)

| ID | Description | Action type | Active | |
|----|-------------------|-----------------|---------|---------------------------------------------|
| 2 | Wiegand Converter | Wiegand Vivotek | Enabled | Edit Delete |

Action properties

▶ Scheduler

Action Info

Host: 192.168.1.172

Port: 1601

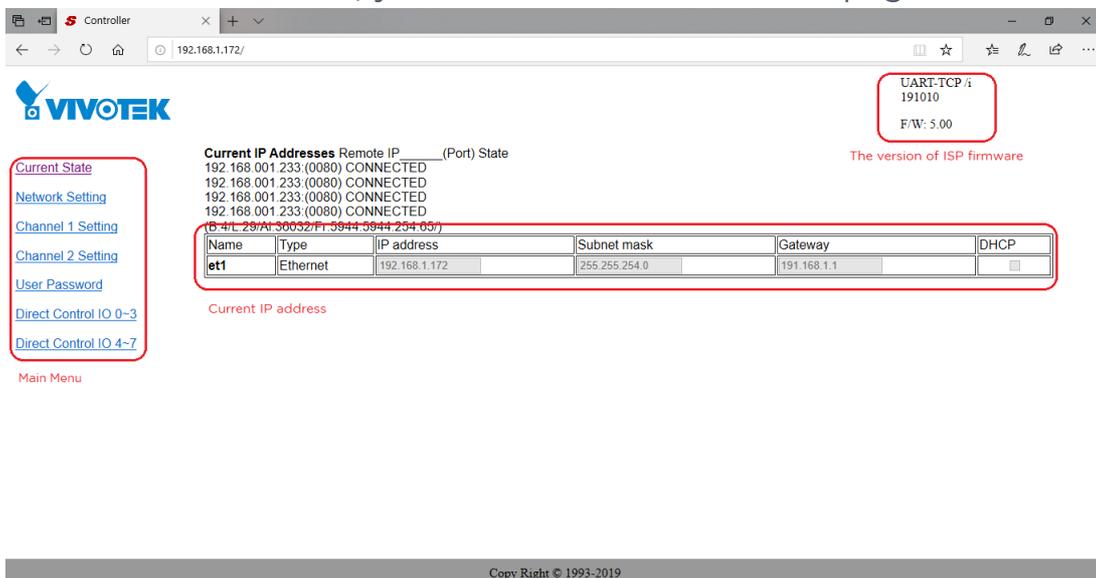
Output format: Bypass data bits Even/Odd parity bits Odd/Even parity bits

Output bit length: 24 bits 32 bits

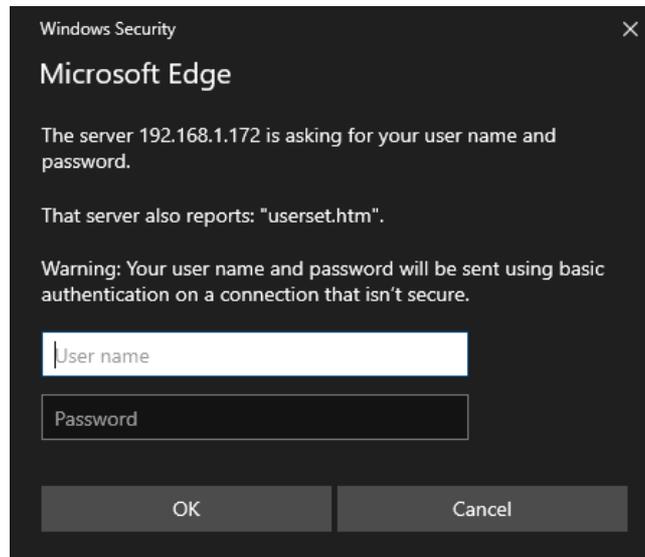
▶ Exports for the list: WHITELIST (0)

Configuration in the VIVOTEK Wiegand Converter management tool

1. Connect the device to a computer, then open a Web Browser and enter "http://192.168.1.127" on IP address field to start a web console. This is the default IP. You may have to configure your PC IP to 192.168.1.x.
2. On the web console, you will see the current state page.



3. The tool would ask you to login, the default user name is **SuperAdm** and password is **721568**.



- Click on “Network Setting” on the Main Menu to configure a new IP address. You can enter the new IP address, LAN Net Mask and Default Gateway and click the “Update” button to save the new settings.

The screenshot shows the VIVOTEK Controller web interface. The browser address bar displays "192.168.1.172/". The VIVOTEK logo is in the top left. On the right, it says "UART-TCP /i 191010" and "F/W: 5.00". A sidebar on the left contains navigation links: "Current State", "Network Setting" (highlighted with a red box), "Channel 1 Setting", "Channel 2 Setting", "User Password", "Direct Control IO 0-3", and "Direct Control IO 4-7". The main content area is titled "Network Setting" and includes a warning: "After you have changed the IP address, the device will **restart** (hardware reset). You need to change the **host IP** with new IP Address in Internet Browser to **re-connect** the target." Below this is a table with two columns: "Item" and "Setting".

| Item | Setting |
|----------------------|-----------------------------------|
| Device Name | Converter |
| LAN IP Address | 192.168.1.172 |
| LAN Net Mask | 255.255.254.0 |
| Default Gateway | 191.168.1.1 |
| Primary DNS Server | 192.168.1.1 |
| Secondary DNS Server | 192.168.1.2 |
| MAC Address | 00-13-57-03-9D-DE |
| HTTP Server Port | 80 (80-65530) |
| TCP I/O Control Port | 1601 (502.Modbus,1601,1625-65530) |
| DHCP Client | <input type="checkbox"/> |

At the bottom of the table is an "Update" button, which is also highlighted with a red box. The footer of the page reads "Copy Right © 1993-2019".

- Click on “User Password” on the main menu to change the password.

The screenshot shows the VIVOTEK Controller web interface. The browser address bar displays "192.168.1.172/". The VIVOTEK logo is in the top left. On the right, it says "UART-TCP /i 191010" and "F/W: 5.00". A sidebar on the left contains navigation links: "Current State", "Network Setting", "Channel 1 Setting", "Channel 2 Setting", "User Password" (highlighted with a red box), "Direct Control IO 0-3", and "Direct Control IO 4-7". The main content area is titled "User Password Setup" and contains two password input fields: "New Password" and "Password Again", both highlighted with red boxes. Below these fields is an "Update" button. The footer of the page reads "Copy Right © 1993-2019".