



## frogLink Message Mode/ASCII Mode <-> MOBOTIX



Über die USB-Schnittstelle der Mobotix-Kamera ist es möglich, den Bluetooth LE USB-Stick frogLink als serielle FTDI-Schnittstelle zu verbinden und somit eine Kommunikation mit den frogblue Komponenten herzustellen.

In ersten Teil der folgenden Anleitung wird das korrekte Anschließen des frogLink und die Konfiguration der Seriellen Schnittstelle beschrieben.

Im zweiten Teil werden anhand von Beispielkonfigurationen einige Szenarien dargestellt.



## 1. frogLink verbinden

Admin Menü -> Hardware-Konfiguration -> Hardware-Erweiterungen verwalten

**Hardware Configuration**

- Manage Hardware Expansions
- Manage MxBus Modules
- Signal Out Profiles
- Assign Wires (for lights, door contact, etc.)
- Lens Configuration

**USB Connector**

<input type="radio"/>	Connect	ExtIO (USB)	Select this option to connect an ExtIO via USB interface.
<input checked="" type="radio"/>	Connect	USB RS232 Serial Stick	Allows connecting an FTDI-to-USB adapter for attaching standard RS232 devices.
<input type="radio"/>	Connect	USB Stick / Flash-based Solid State Drive	Allows connecting a USB stick or a Flash-based solid state drive for event download or event recording. Do not select this option if you want to connect a harddisk.

frogLink erst nach Aufforderung mit dem USB-Kabel der Mobotix-Kamera verbinden!

Auf 10.16.15.75 wird Folgendes angezeigt:  
Please plug your USB RS232 Serial Stick into port USB Connector now.

OK    Abbrechen

Verbindung erfolgreich ->

**USB Connector**

<input type="radio"/>		ExtIO (USB)	Select this option to connect an ExtIO via USB interface. <i>This device cannot be connected at the moment.</i> <i>ExtIO (USB) would conflict with active device USB RS232 Serial Stick.</i>
<input checked="" type="radio"/>	Disconnect	USB RS232 Serial Stick	Allows connecting an FTDI-to-USB adapter for attaching standard RS232 devices.
<input type="radio"/>		USB Stick / Flash-based Solid State Drive	Allows connecting a USB stick or a Flash-based solid state drive for event download or event recording. Do not select this option if you want to connect a harddisk.

Permanent speichern und Neustart durchführen!



## 2. Konfiguration Serielle Schnittstelle

Admin Menu -> Serial Interface

### Serial Interface

- [Setup of serial interface, modem and weather station](#)
- [Serial Terminal](#)

Betriebsart „Data“ auswählen

MOBOTIX T25 frogblueSupport Serial Interface and Modem Setup

Serial Interface and Modem Setup

Serial Interface:

- Off: serial interface deactivated.
- Data**: serial interface used as data terminal or for extended signaling.
- Modem: serial interface used by modem (phone or GSM).
- Weather: serial interface used to receive data from supported weather stations.
- Off

Set Factory Restore Close



## 3. Einstellung Serielle Schnittstelle

Serial Interface and Modem Setup	
Serial Interface: <input type="text" value="Data"/>	<b>Off:</b> serial interface deactivated. <b>Data:</b> serial interface used as data terminal or for extended signaling. <b>Modem:</b> serial interface used by modem (phone or GSM). <b>Weather:</b> serial interface used to receive data from supported weather stations.
Speed: <input type="text" value="115200"/> bps	Speed of serial interface
Bits: <input type="text" value="8"/>	Number of data bits per character.
Parity: <input type="text" value="N"/>	Parity mode for error detection. <b>N:</b> None <b>E:</b> Even <b>O:</b> Odd
Stop Bits: <input type="text" value="1"/>	Number of stop bits.
Flow Control: <input type="text" value="Off"/>	Flow control: <b>Off:</b> no flow control <b>CRTSCTS:</b> hardware flow control
Echo: <input type="text" value="On"/>	Toggles echo in terminal on or off.
End of Line: <input type="text" value="LF"/>	Selects characters to send as End of Line in terminal. Valid selection depends on your device.
Buffer Size: <input type="text" value="5"/> kB	Size of buffer reserved for logging incoming signals on serial interface.
Timestamp: <input type="text" value="On"/>	Insert timestamp in log buffer before every input line.
Relevant Links: <a href="#">Serial Terminal</a>	
<input type="button" value="Set"/>	<input type="button" value="Factory"/> <input type="button" value="Restore"/> <input type="button" value="Close"/>

Serielle Schnittstelle = Data

Übertragungsgeschwindigkeit = 115200 bps

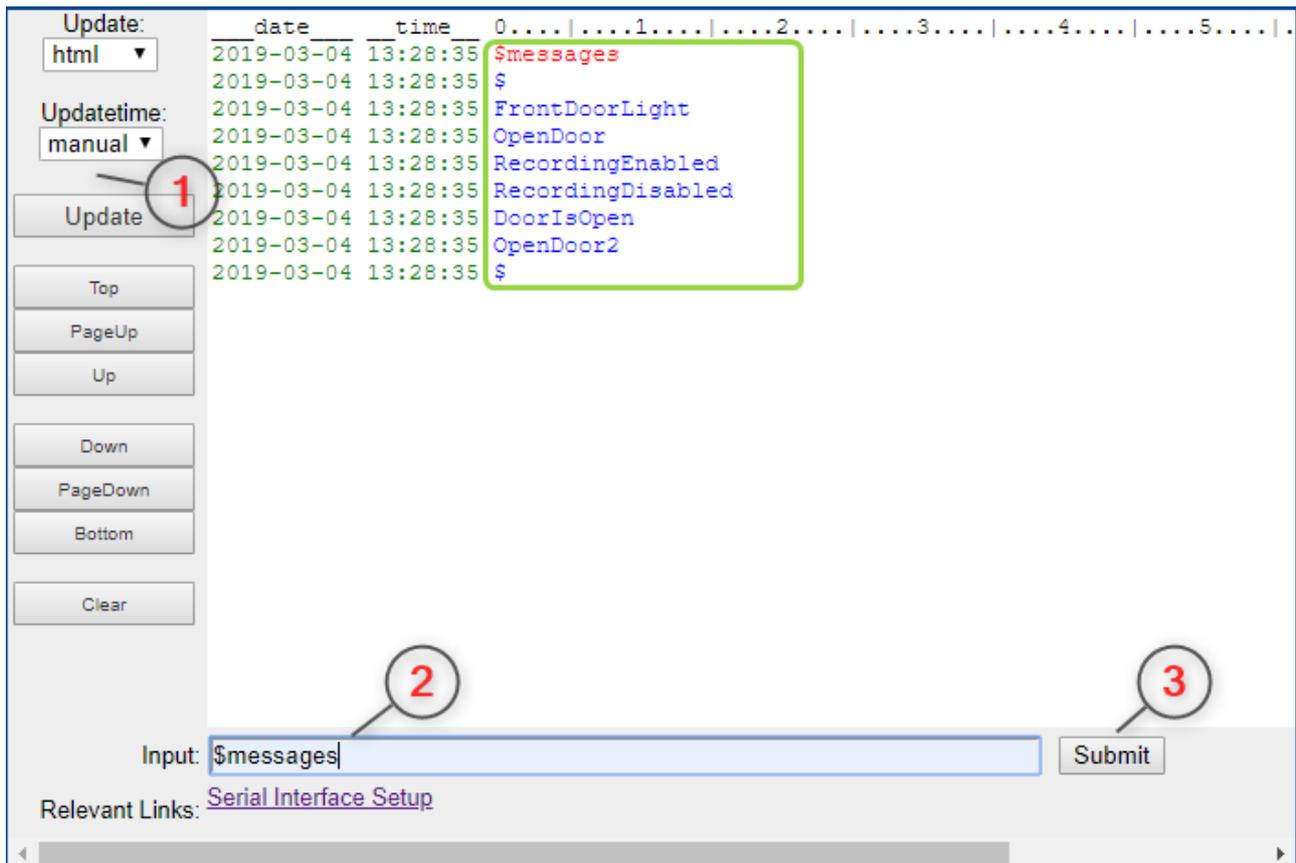
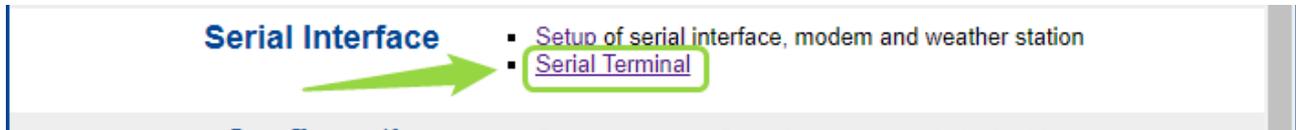
Zeilenendzeichen = LF

Permanent speichern und Neustart



## 4. Terminal

Admin Menu -> Serial Interface



\$ - Anfragen ermöglichen das Abrufen von Informationen zu verfügbaren Nachrichten, Räumen und Projekt-Informationen.

Die Anfrage \$message oder \$messages zeigt eine Liste aller auf dem frogLink parametrisierten Nachrichten.



Alle aufgelisteten Nachrichten können durch Eingabe des Nachrichtennamens ausgeführt werden.

The screenshot displays the frogLink Message-Mode/ASCII Mode interface. On the left, there are controls for 'Update' (set to 'html') and 'Updatetime' (set to 'manual'), along with navigation buttons: 'Update', 'Top', 'PageUp', 'Up', 'Down', 'PageDown', 'Bottom', and 'Clear'. The main display area shows a table of messages with columns for 'date', 'time', and 'msg'. Two messages are listed, both from '2019-03-05 16:00:14'. The first message is 'FrontDoorLight' and the second is '\$newmsg:FrontDoorLight'. A green box highlights these two rows. Below the messages is an 'Input:' field containing 'FrontDoorLight', with a red circle '1' pointing to it. To the right of the input field is a 'Submit' button, with a red circle '2' pointing to it. Below the input field, there is a 'Relevant Links:' section with a link to 'Serial Interface Setup'.

date	time	msg
2019-03-05	16:00:14	FrontDoorLight
2019-03-05	16:00:14	\$newmsg:FrontDoorLight

Input:  Submit

Relevant Links: [Serial Interface Setup](#)



Weiterhin können Nachrichten mit optionalen Parametern (in Klammern) ausgeführt werden -> FrontDoorLight(time=15s,bright=85)

Update:  Update:

Update

Top

PageUp

Up

Down

PageDown

Bottom

Clear

```
2019-03-05 16:05:15 FrontDoorLight (time=15s,bright=85)
2019-03-05 16:05:15 $newmsg:FrontDoorLight
```

Input:

Relevant Links: [Serial Interface Setup](#)

Verfügbare Parameter ->

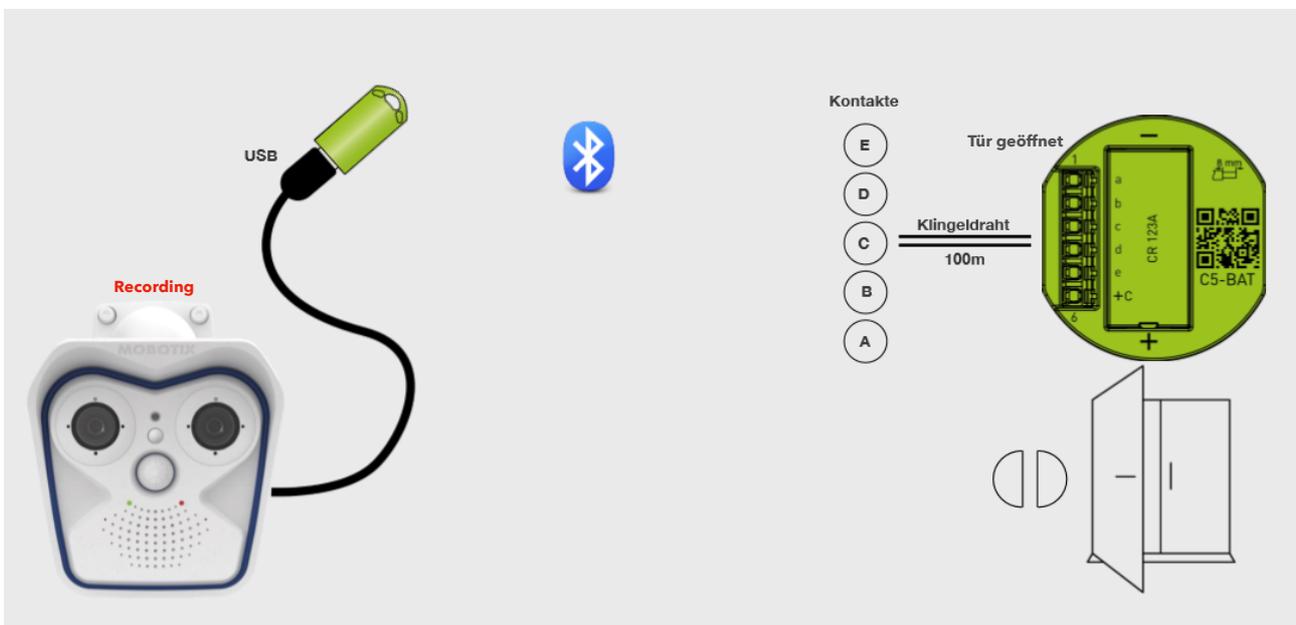
- ON -> Anstatt den aktuellen Zustand umzuschalten, werden die Ausgänge angeschaltet
- time -> Die Ausgänge werden für diese Zeit angeschaltet (s = Sekunden, m = Minuten, h = Stunden)
- bright -> Dimmwert des Ausgangs (falls möglich)



## Beispielszenarien

1. Aufnahme mittels frogKey aktivieren bzw. deaktivieren
2. Aufzeichnung bei Tür Auf mit frogEntry2-3 und zusätzlich Licht Eingang Schalten mit frogDim1-3
3. Tür Öffnen mit Pin am MX-Keypad und zusätzlich mit frogKey

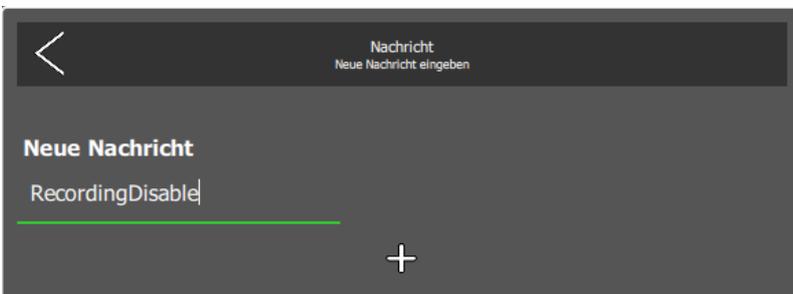
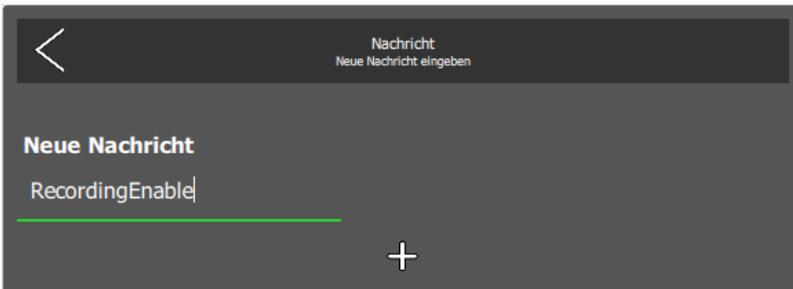
Vorraussetzung für diese Szenarien sind ein korrekt parametrierter und an der USB-Schnittstelle angeschlossener frogLink der jeweiligen Mobotix-Kamera.





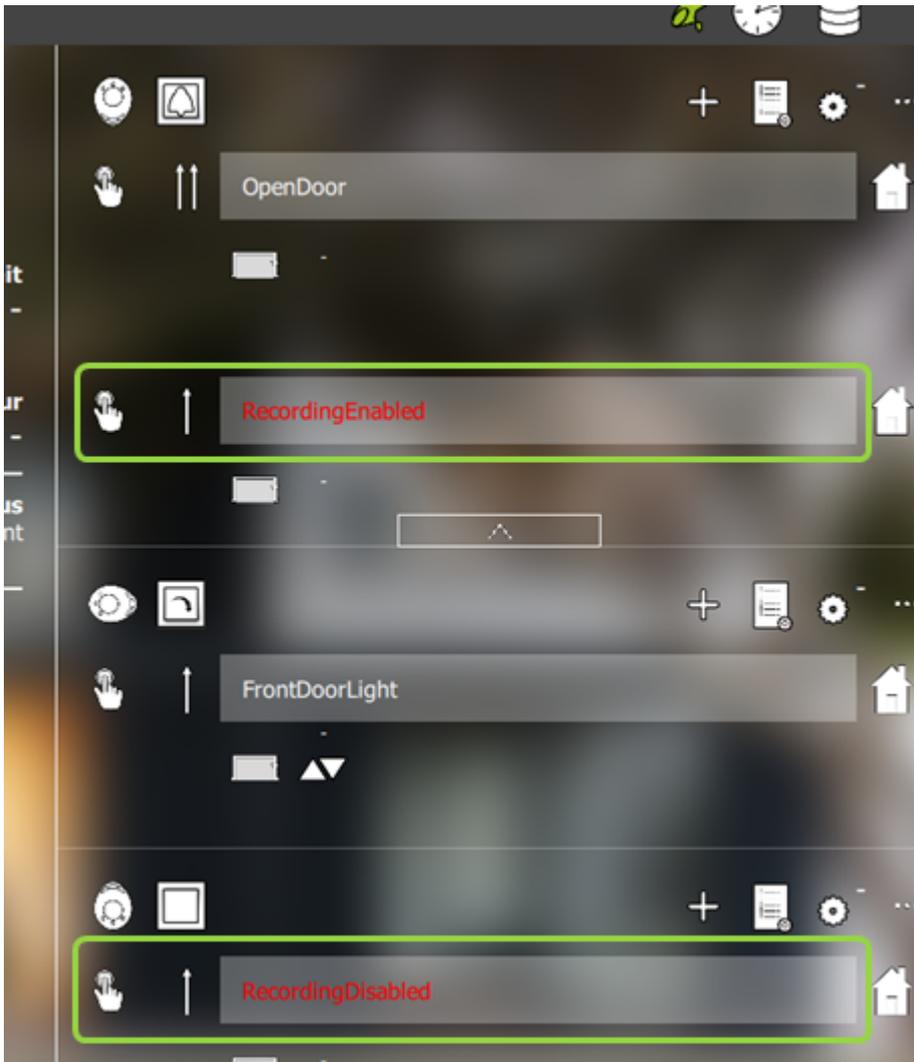
## Szenario 1: Aufnahme mittels frogKey aktivieren und deaktivieren

1. Zwei Nachrichten „RecordingEnable“ und „RecordingDisable“ erstellen und geänderte Konfiguration auf den frogLink schreiben.





## 2. frogKey parametrieren



Einmal Klick nach oben gerichtet -> Aufnahme wird aktiviert

Einmal Klick nach unten gerichtet -> Aufnahme wird deaktiviert



### 3. Mobotix-Kamera konfigurieren

Zwei Netzwerkmeldungen erstellen ->

Admin Menü -> Übertragungsprofile -> Profile für Netzwerkmeldungen

▼ IP Notify Profile 8 <span style="float:right">frogRecordingEnabled</span> <span style="float:right">Delete</span>		
<b>IP Notify Type</b>	Custom Configuration	<b>Predefined Configuration:</b> "MxCC Alarm" sends predefined network messages to the MxCC alarm list. <i>Acknowledge Required</i> prompts the MxCC user to confirm the message. If the alarm is not acknowledged within the specified acknowledge time, the camera triggers a transmission error. Select <i>Custom Configuration</i> to see the extended configuration.
<b>Destination Address</b>	10.16.15.75:80  Parallel send to all	<b>Destination Addresses:</b> Receiver IP address and port. Separate IP address and port using a colon. Enter one address per line.  <b>Send Order:</b> Send notification to one or more destinations. <i>Sequential</i> and <i>parallel</i> will send a notification to <b>each</b> destination address. <i>Send to next on error</i> will stop after the first successful notification or will try the next address if unsuccessful.
<b>Data Protocol</b>	HTTP/1.0 Request  /control/control/  admin:meinsm	<b>Transfer Protocol:</b> Transfer notification data using these protocol headers.  <b>CGI-Path:</b> Absolute CGI path beginning with '/'. This parameter allows using <a href="#">variables</a> .  <b>HTTP Authentication:</b> User name and password for HTTP authentication separated by colon. Example: admin:meinsm
<b>Data Type</b>	Plain text  ?set&section=recording&recording_activ=enable	<b>Notification Data:</b> Select type of IP notification data.  <b>Message:</b> Message to include in <i>Plain text</i> notification data. When using HTTP protocol this text is used for QUERY_STRING in GET request. This parameter allows using <a href="#">variables</a> .
<b>Send Port</b>	0	<b>Port Number:</b> Send a message from this camera port (0 for automatic).



▼ IP Notify Profile 7 <input type="text" value="frogRecordingDisabled"/>		<input type="checkbox"/> Delete
IP Notify Type	<input type="text" value="Custom Configuration"/>	<b>Predefined Configuration:</b> "MxCC Alarm" sends predefined network messages to the MxCC alarm list. <i>Acknowledge Required</i> prompts the MxCC user to confirm the message. If the alarm is not acknowledged within the specified acknowledge time, the camera triggers a transmission error. Select <i>Custom Configuration</i> to see the extended configuration.
Destination Address	<input type="text" value="10.16.15.75:80"/> <input type="text" value="Parallel send to all"/>	<b>Destination Addresses:</b> Receiver IP address and port. Separate IP address and port using a colon. Enter one address per line.  <b>Send Order:</b> Send notification to one or more destinations. <i>Sequential</i> and <i>parallel</i> will send a notification to <b>each</b> destination address. <i>Send to next on error</i> will stop after the first successful notification or will try the next address if unsuccessful.
Data Protocol	<input type="text" value="HTTP/1.0 Request"/> <input type="text" value="/control/control/"/> <input type="text" value="admin:meinsm "/>	<b>Transfer Protocol:</b> Transfer notification data using these protocol headers.  <b>CGI-Path:</b> Absolute CGI path beginning with '/'. This parameter allows using <a href="#">variables</a> .  <b>HTTP Authentication:</b> User name and password for HTTP authentication separated by colon. <i>Example:</i> admin:meinsm
Data Type	<input type="text" value="Plain text"/> <input type="text" value="?set&amp;section=recording&amp;recording_activ=disable"/>	<b>Notification Data:</b> Select type of IP notification data.  <b>Message:</b> Message to include in <i>Plain text</i> notification data. When using HTTP protocol this text is used for QUERY_STRING in GET request. This parameter allows using <a href="#">variables</a> .
Send Port	<input type="text" value="0"/>	<b>Port Number:</b> Send a message from this camera port (0 for automatic).



Zwei Nachrichtereignisse erstellen ->

Setup Menu -> Ereignissteuerung -> Ereignisübersicht -> Nachrichtereignisse

The screenshot displays two event configuration panels in a web interface. The top panel is titled 'frogRecordingEnabled' and the bottom panel is titled 'frogRecordingDisabled'. Both panels have a tabbed header with 'Inactive' and 'Delete' buttons. Each panel contains a numeric input field with the value '5' and an 'Event Dead Time' description: 'Time to wait [0..3600 s] before the event can trigger anew.' Below this is the 'Event Sensor Type' section with three radio buttons: 'IP Receive', 'MxMessageSystem', and 'COM In'. A green arrow points to the 'COM In' radio button in both panels. Below the radio buttons is a text instruction: 'Trigger an event when receiving a message from the serial interface. Set interface to [Data > Terminal and Logger mode](#).' Further down is a 'String Compare' dropdown menu and an 'Ignore Case' checkbox. At the bottom of each panel is a text input field containing 'RecordingEnabled' and 'RecordingDisabled' respectively. To the right of these fields are descriptions for 'Match Mode', 'Ignore Case', and 'Message'. The 'Message' description states: 'Defines a message to wait for. Leave empty to trigger on any incoming message.'



Zwei Aktionsgruppen erstellen ->

Setup Menu -> Ereignissteuerung -> Aktionsgruppen-Übersicht

General Settings	Value	Explanation
<b>Action Group</b>	<input type="text" value="frogRecordingEnabled"/> <input type="text" value="Enabled"/> <input type="text" value="(No time table)"/>	<b>Name:</b> The name is purely informational.  <b>Arming:</b> Controls this action group: <i>Enabled</i> : activate the group. <i>Off</i> : deactivate the group. <i>SI</i> : group armed by signal input. <i>CS</i> : group armed by custom signal as defined in <a href="#">General Event Settings</a> .  <b>Time Table:</b> Time table for this action profile ( <a href="#">Time Tables</a> ).
<b>Event Selection</b>	<div style="border: 1px solid gray; padding: 2px;"><p>Message: frogDoorIsOpen</p><p>Message: frogRecordingEnabled</p><p>Message: frogRecordingDisabled</p><p>Message: frogOpenDoor2</p><p>(Signal: CameraBellButton)</p></div>	<b>Event Selection:</b> Select the events which will trigger the actions below. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <a href="#">activated</a> first.
<b>Action Details</b>	<input type="text" value="5"/> <input type="text" value="Simultaneously"/>	<b>Action Deadtime:</b> Time to wait [0..3600 s] before a new action can take place.  <b>Action Chaining:</b> Choose how the status of each subaction influences the execution of all others. <i>Simultaneously</i> : All actions are executed simultaneously. <i>Simultaneously until first success</i> : Simultaneous execution, but as soon as one action succeeds (i.e. has been completed or the phone is picked up), all others are terminated. <i>Consecutively</i> : All actions are executed in the specified order. <i>Consecutively until first success</i> : Consecutive execution, but as soon as one action succeeds, the following actions are not executed. <i>Consecutively until first failure</i> : Consecutive execution, but as soon as one action fails, the following actions are not executed.
Actions	Value	Explanation
<b>Action 1</b>	<input type="text" value="IP Notify: frogRecordingEnabled"/> <input type="text" value="0"/>	<b>Action Type and Profile:</b> Select the Action Profile to be executed.  <b>Action Timeout or Duration:</b> If this action runs longer than the time specified



General Settings	Value	Explanation
<b>Action Group</b>	<input type="text" value="frogRecordingDisabled"/> <input type="button" value="Enabled"/> ▾  <input type="button" value="(No time table)"/> ▾	<b>Name:</b> The name is purely informational.  <b>Arming:</b> Controls this action group: <i>Enabled:</i> activate the group. <i>Off:</i> deactivate the group. <i>S/:</i> group armed by signal input. <i>CS:</i> group armed by custom signal as defined in <a href="#">General Event Settings</a> .  <b>Time Table:</b> Time table for this action profile ( <a href="#">Time Tables</a> ).
<b>Event Selection</b>	<input type="text" value="Message: frogDoorsOpen"/> <input type="text" value="Message: frogRecordingEnabled"/> <input type="text" value="Message: frogRecordingDisabled"/> <input type="text" value="Message: frogOpenDoor2 (Signal: CameraBellButton)"/>	<b>Event Selection:</b> Select the events which will trigger the actions below. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <a href="#">activated</a> first.
<b>Action Details</b>	<input type="text" value="5"/> <input type="button" value="Simultaneously"/> ▾	<b>Action Deadtime:</b> Time to wait [0..3600 s] before a new action can take place.  <b>Action Chaining:</b> Choose how the status of each subaction influences the execution of all others. <i>Simultaneously:</i> All actions are executed simultaneously. <i>Simultaneously until first success:</i> Simultaneous execution, but as soon as one action succeeds (i.e. has been completed or the phone is picked up), all others are terminated. <i>Consecutively:</i> All actions are executed in the specified order. <i>Consecutively until first success:</i> Consecutive execution, but as soon as one action succeeds, the following actions are not executed. <i>Consecutively until first failure:</i> Consecutive execution, but as soon as one action fails, the following actions are not executed.
Actions	Value	Explanation
<b>Action 1</b> <input type="checkbox"/> Delete	<input type="button" value="IP Notify: frogRecordingDisabled"/> ▾ <input type="text" value="0"/>	<b>Action Type and Profile:</b> Select the Action Profile to be executed.  <b>Action Timeout or Duration:</b> If this action runs longer than the time specified [0..3600 s], it is aborted and returns an error; 0 to deactivate

Permanent speichern und Neustart durchführen.

Aufnahme wird bei „Einmal Klick Oben“ aktiviert bzw. bei „Einmal Klick Unten“ deaktiviert.

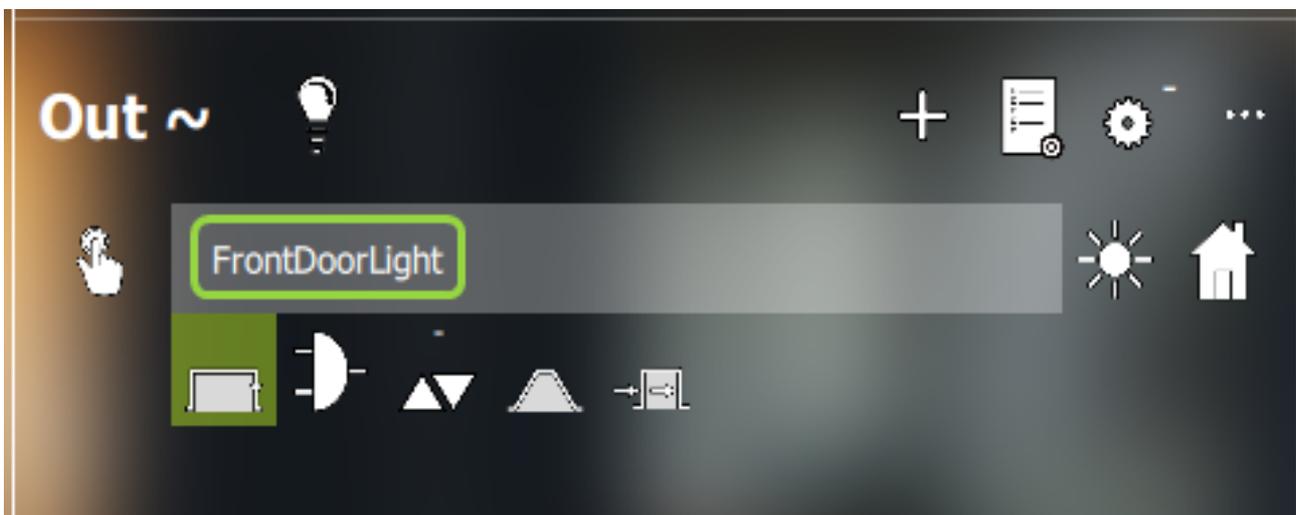
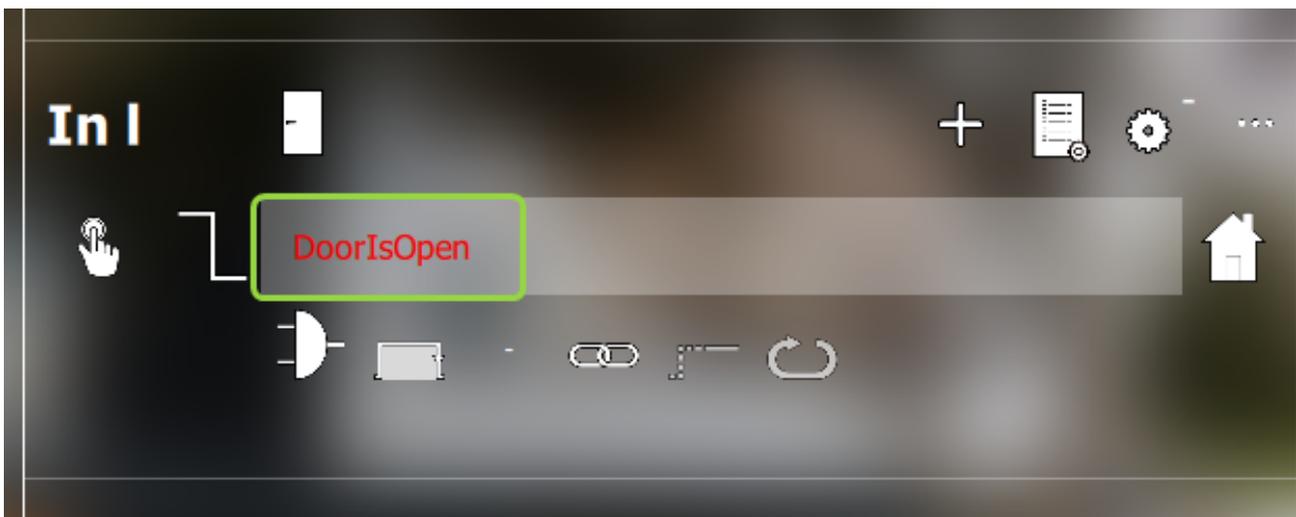
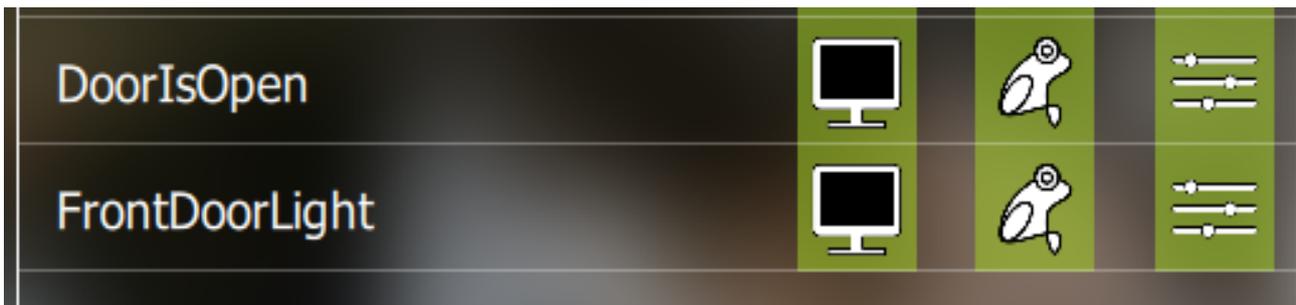


## Szenario 2: Aufzeichnung bei Tür Auf mit frogEntry2-3 und zusätzlich Licht Eingang Schalten mit frogDim1-3

1. Zwei Nachrichten „DoorIsOpen“ und „FrontDoorLight“ im frogLink erstellen.

Der Türkontakt wird verbunden mit Input 1 von frogEntry2-3.

Der Lichteingang wird verbunden mit dem Ausgang von frogDim1-3.





## 2. Mobotix-Kamera konfigurieren

Nachrichtenergebnis erstellen ->

Setup Menu -> Ereignissteuerung -> Ereignisübersicht -> Nachrichtenergebnisse

The screenshot shows the configuration page for an event named "frogDoorsOpen". At the top, there is a tab labeled "frogDoorsOpen" with "Inactive" and "Delete" buttons. Below the tab is a numeric input field containing "5". To the right, the "Event Dead Time" is defined as "Time to wait [0..3600 s] before the event can trigger anew." The "Event Sensor Type" section has three radio buttons: "IP Receive", "MxMessageSystem", and "COM In", with a green arrow pointing to "COM In". Below this, a text instruction reads: "Trigger an event when receiving a message from the serial interface. Set interface to [Data > Terminal and Logger mode](#)." The "Match Mode" dropdown is set to "String Compare". There is an unchecked "Ignore Case" checkbox. The "Message" input field contains "DoorIsOpen". To the right, the "Match Mode" description states: "Choose String Compare to search for exact substring matches and to use (extended) regular expressions for more flexible searching." The "Ignore Case" description says: "Select to ignore case while matching." The "Message" description says: "Defines a message to wait for. Leave empty to trigger on any incoming message."



Netzwerkmeldung erstellen ->

Admin Menü -> Übertragungsprofile -> Profile für Netzwerkmeldungen

The screenshot shows the configuration page for 'IP Notify Profile 9 FrontDoorLight'. The interface is divided into several sections:

- IP Notify Type:** Set to 'Custom Configuration'.
- Destination Address:** Set to 'localhost:80'. Below it, 'Parallel send to all' is selected.
- Data Protocol:** Set to 'HTTP/1.0 Request'. The CGI-Path is '/control/rcontrol?action=PutRS232&rs232', which is highlighted with a green box. The HTTP Authentication field contains 'admin:meinsm'.
- Data Type:** Set to 'Plain text'. The Message field is empty.
- Send Port:** Set to '0'.

On the right side, there are several informational sections:

- Predefined Configuration:** Explains that 'MxCC Alarm' sends predefined network messages and that 'Acknowledge Required' prompts the user to confirm the message.
- Destination Addresses:** Instructs on how to enter receiver IP addresses and ports, separated by colons.
- Send Order:** Describes 'Sequential' and 'parallel' sending methods, and 'Send to next on error'.
- Transfer Protocol:** States that notification data uses these protocol headers.
- CGI-Path:** Defines it as an absolute path starting with '/', allowing for variables.
- HTTP Authentication:** Shows the format 'username:password' and provides an example 'admin:meinsm'.
- Notification Data:** Indicates the type of IP notification data.
- Message:** Explains that the message is included in plain text notifications and is used for the QUERY\_STRING in GET requests.
- Port Number:** Notes that '0' is used for automatic port selection.

CGI-Pfad =

/control/rcontrol?action=PutRS232&rs232outtext=FrontDoorLight(time=10s;bright=75)



Aktionsgruppe erstellen ->

Setup Menu -> Ereignissteuerung -> Aktionsgruppen-Übersicht

General Settings	Value	Explanation
<b>Action Group</b>	<input type="text" value="frogDoorsOpen"/> <input type="button" value="Enabled"/>	<b>Name:</b> The name is purely informational.  <b>Arming:</b> Controls this action group: <i>Enabled:</i> activate the group. <i>Off:</i> deactivate the group. <i>SI:</i> group armed by signal input. <i>CS:</i> group armed by custom signal as defined in <a href="#">General Event Settings</a> .  <b>Time Table:</b> Time table for this action profile ( <a href="#">Time Tables</a> ).
<b>Event Selection</b>	<input type="text" value="(No time table)"/> <div style="border: 1px solid blue; padding: 2px;">           Message: frogOpenDoor            Message: frogFrontDoorLight  <b>Message: frogDoorsOpen</b>            Message: frogRecordingEnabled            Message: frogRecordingDisabled         </div>	<b>Event Selection:</b> Select the events which will trigger the actions below. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <a href="#">activated</a> first.
<b>Action Details</b>	<input type="text" value="5"/> <input type="button" value="Simultaneously"/>	<b>Action Deadline:</b> Time to wait [0..3600 s] before a new action can take place.  <b>Action Chaining:</b> Choose how the status of each subaction influences the execution of all others. <i>Simultaneously:</i> All actions are executed simultaneously. <i>Simultaneously until first success:</i> Simultaneous execution, but as soon as one action succeeds (i.e. has been completed or the phone is picked up), all others are terminated. <i>Consecutively:</i> All actions are executed in the specified order. <i>Consecutively until first success:</i> Consecutive execution, but as soon as one action succeeds, the following actions are not executed. <i>Consecutively until first failure:</i> Consecutive execution, but as soon as one action fails, the following actions are not executed.
Actions	Value	Explanation
<b>Action 1</b>	<input type="button" value="IP Notify: FrontDoorLight"/> <input type="text" value="0"/>	<b>Action Type and Profile:</b> Select the Action Profile to be executed.  <b>Action Timeout or Duration:</b> If this action runs longer than the time specified [0..3600 s], it is aborted and returns an error; 0 to deactivate. For <i>Image Profile</i> action, this is the duration and no error returns.
<input type="checkbox"/> Delete		
<input type="button" value="Add new action"/>		



Aufzeichnung bei Tür Auf aktivieren ->

Setup Menu -> Ereignissteuerung -> Aufzeichnung

Storage Settings	Value	Explanation
<b>Recording (REC)</b>	Event Recording ▾  Include audio ▾	<b>Recording Mode:</b> Type of event and story recording. <i>Snap Shot Recording:</i> stores single JPEG picture. <i>Event Recording:</i> stores stream files for every event using MxPEG codec. <i>Continuous Recording:</i> continuously streams video stream files using MxPEG codec. Events can be triggered with a higher frame rate using <i>Start Recording, Recording</i> and <i>Stop Recording</i> .  <b>Record Audio Data:</b> Store audio data in stream file if available. Enable and configure <a href="#">microphone</a> .
<b>Start Recording</b>	Message: frogOpenDoor Message: frogFrontDoorLight Message: frogDoorsOpen Message: frogRecordingEnabled Message: frogRecordingDisabled  Max fps ▾  1  10 s ▾	<b>Start Recording:</b> Select the events which will start recording. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <a href="#">activated</a> first.  <b>Event Frame Rate:</b> Recording speed if an event is detected, in frames per second.  <b>Recording Time Before Event:</b> Additional recording time before an event in seconds.  <b>Recording Time:</b> Time to include in recorded stream after an event occurred.
<b>Retrigger Recording</b>	(select all) (select none) ----- (Environment: PI) (Environment: MI)	<b>Retrigger Recording:</b> Select the events which will retrigger recording. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <a href="#">activated</a> first.
<b>Stop Recording</b>	(select all) (select none) ----- (Environment: PI) (Environment: MI)	<b>Stop Recording:</b> Select the events which will stop recording. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <a href="#">activated</a> first.



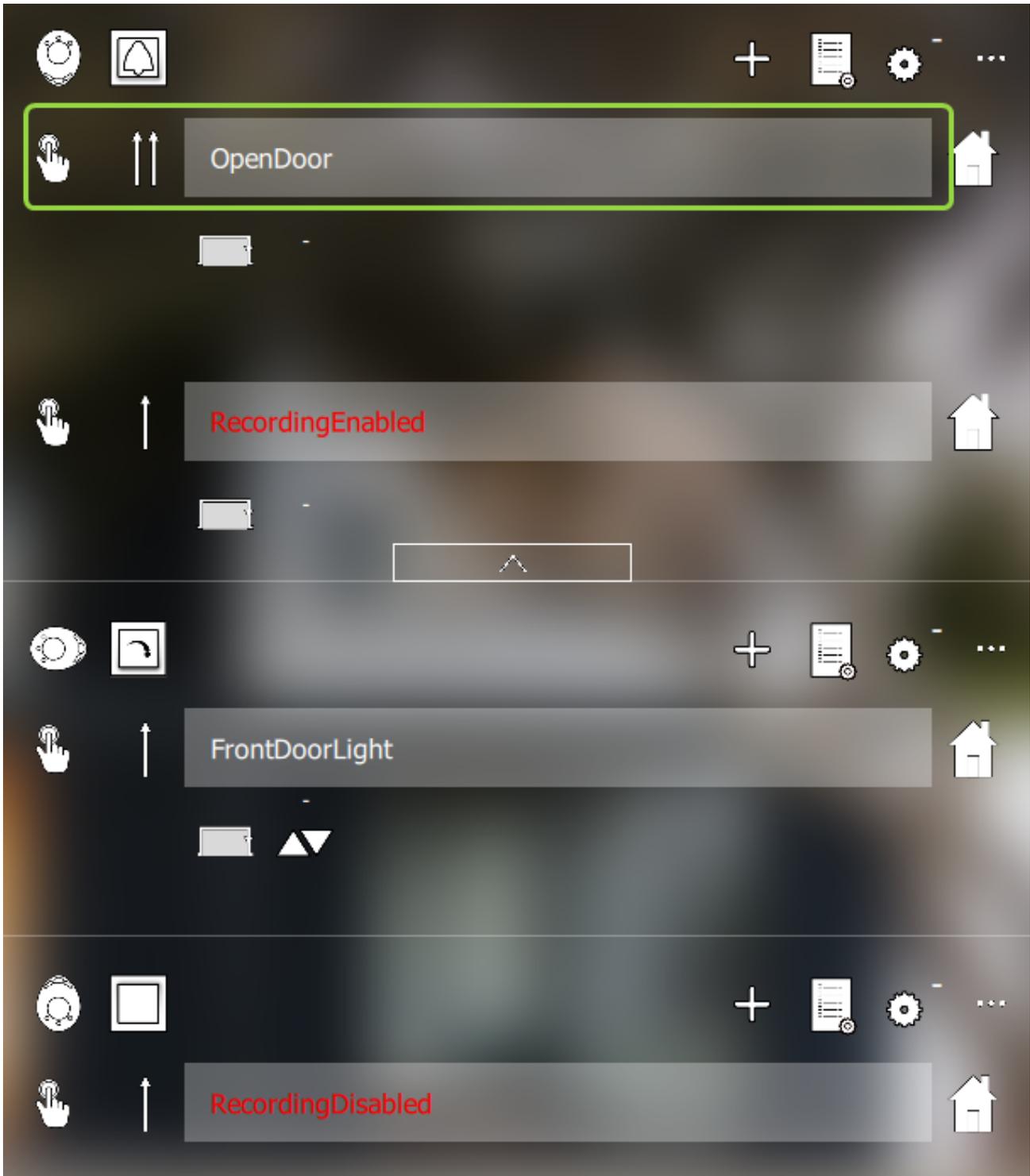
Wird die Eingangstür geöffnet, wird die Aufzeichnung der Kamera gestartet und zusätzlich das Licht eingeschaltet.



## Szenario 3: Tür öffnen mit Pin am MX-Keypad und zusätzlich mit frogKey

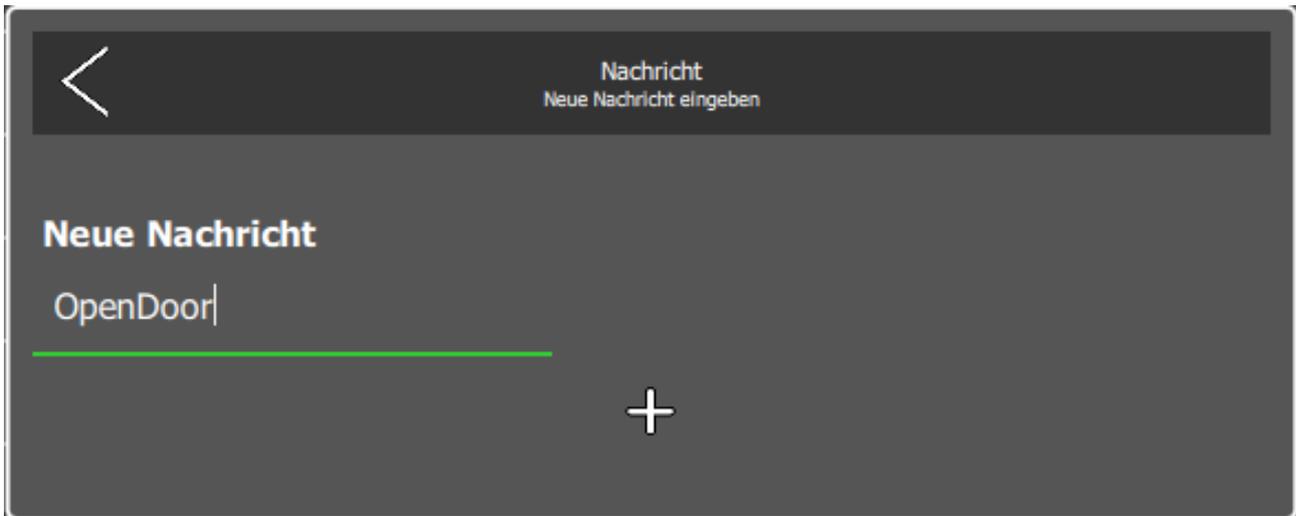
1. frogKey und frogLink parametrieren ->

Nachricht im frogKey erstellen





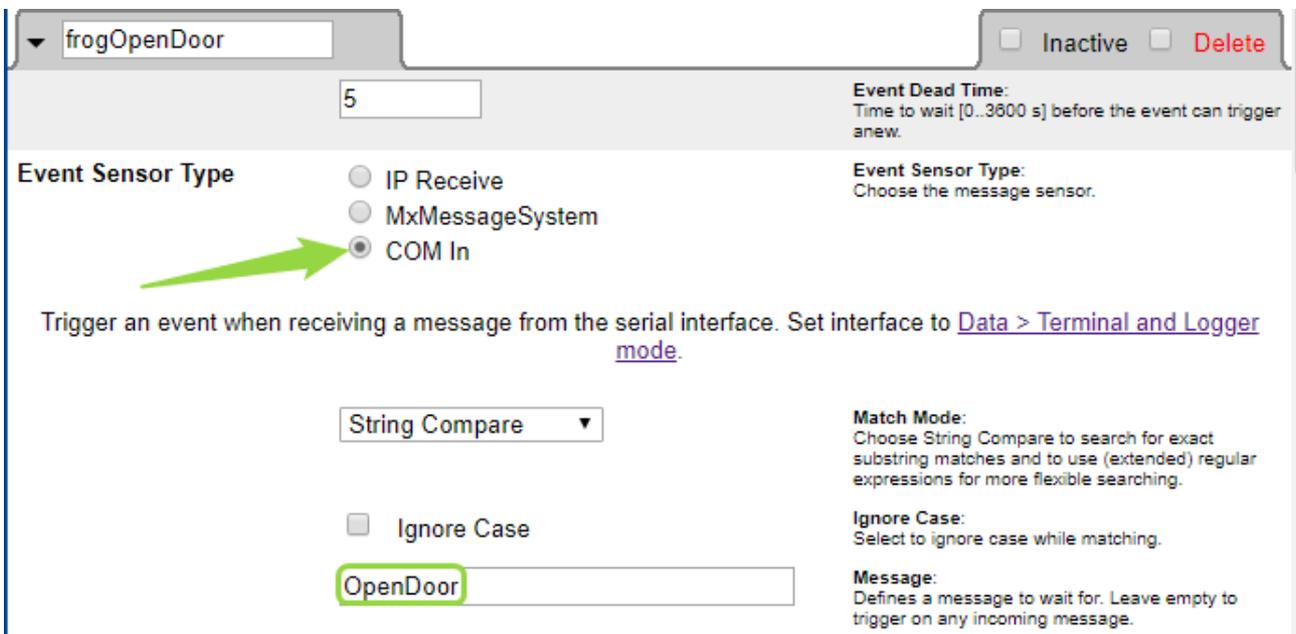
Nachricht im frogLink erstellen und Konfiguration schreiben



## 2. Mobotix-Kamera konfigurieren

Nachrichtenergebnis erstellen ->

Setup Menu -> Ereignissteuerung -> Ereignisübersicht -> Nachrichtenergebnisse





Aktionsgruppe erstellen ->

Setup Menu -> Ereignissteuerung -> Aktionsgruppen-Übersicht

General Settings	Value	Explanation
<b>Action Group</b>	<input type="text" value="OpenDoor"/> <input type="text" value="Enabled"/> <input type="text" value="(No time table)"/>	<b>Name:</b> The name is purely informational.  <b>Arming:</b> Controls this action group: <i>Enabled:</i> activate the group. <i>Off:</i> deactivate the group. <i>SI:</i> group armed by signal input. <i>CS:</i> group armed by custom signal as defined in <a href="#">General Event Settings</a> .  <b>Time Table:</b> Time table for this action profile ( <a href="#">Time Tables</a> ).
<b>Event Selection</b>	<div style="border: 1px solid gray; padding: 2px;"><p>Internal: Denied PIN access</p><p>Internal: Ring</p><p>Message: frogOpenDoor</p><p>Message: frogFrontDoorLight</p><p>Message: frogDoorsOpen</p></div>	<b>Event Selection:</b> Select the events which will trigger the actions below. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <a href="#">activated</a> first.
<b>Action Details</b>	<input type="text" value="5"/> <input type="text" value="Simultaneously"/>	<b>Action Deadtime:</b> Time to wait [0..3600 s] before a new action can take place.  <b>Action Chaining:</b> Choose how the status of each subaction influences the execution of all others. <i>Simultaneously:</i> All actions are executed simultaneously. <i>Simultaneously until first success:</i> Simultaneous execution, but as soon as one action succeeds (i.e. has been completed or the phone is picked up), all others are terminated. <i>Consecutively:</i> All actions are executed in the specified order. <i>Consecutively until first success:</i> Consecutive execution, but as soon as one action succeeds, the following actions are not executed. <i>Consecutively until first failure:</i> Consecutive execution, but as soon as one action fails, the following actions are not executed.
Actions	Value	Explanation
<b>Action 1</b>	<input type="text" value="Device Out: ~Door"/> <input type="text" value="0"/>	<b>Action Type and Profile:</b> Select the Action Profile to be executed.  <b>Action Timeout or Duration:</b> If this action runs longer than the time specified

Tür wird nun bei „Zweimal Klick Oben“ geöffnet.