



## M3 and MQTT Setup

(preliminary)

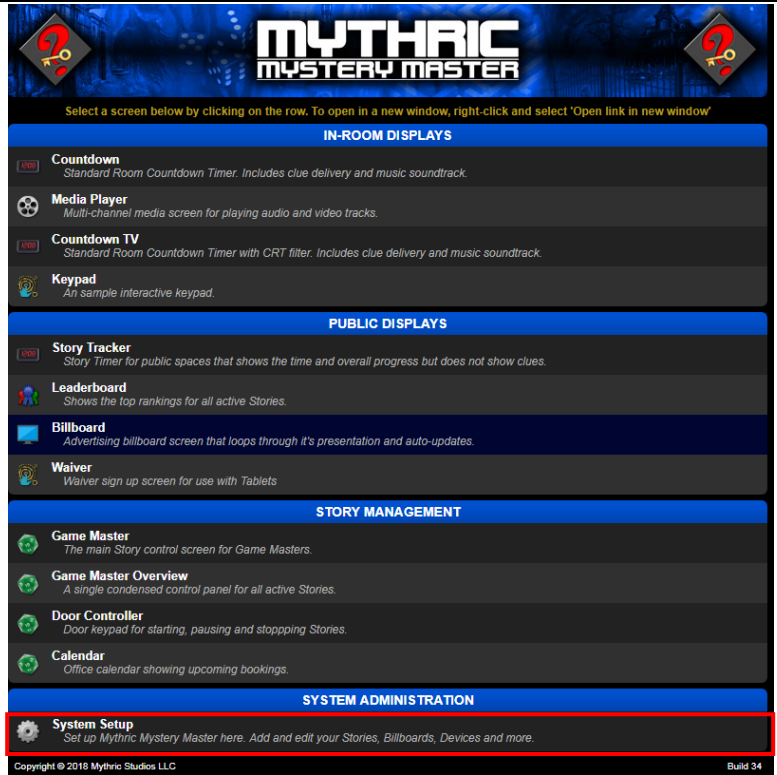
<https://mosquitto.org/download/>

Make sure MQTT Broker is running

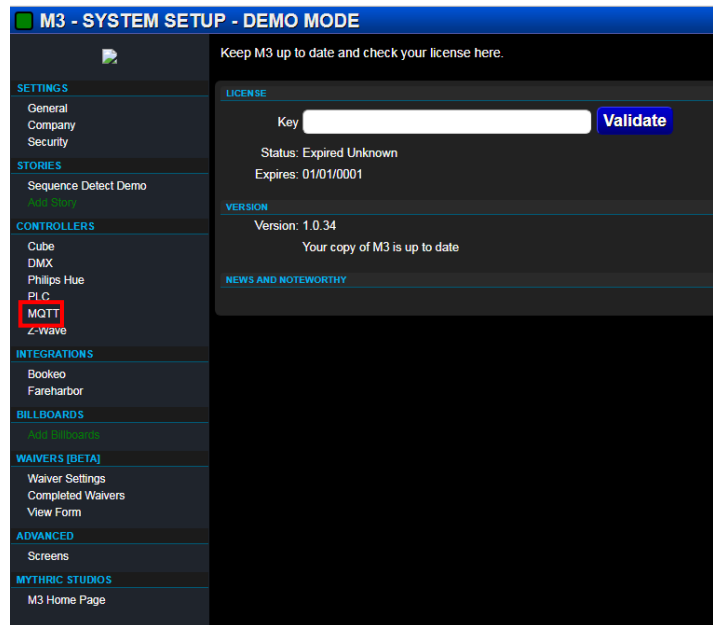
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Start up M3 and click the button to open the main menu



Go to System Setup



Go to MQTT  
under the Controllers column.

Set the properties for linking M3 act as an MQTT Broker or Client. Save

MQTT CLIENT

Broker:  Enabled

ACTIVE MQTT TOPICS

| Name                 | Value |
|----------------------|-------|
| Device/disable       |       |
| Device/enable        |       |
| Device/tx60_0input0  | LOW   |
| Device/tx60_0input1  | LOW   |
| Device/tx60_0input2  | LOW   |
| Device/tx60_0input3  | LOW   |
| Device/tx60_0input4  | LOW   |
| Device/tx60_0input5  | LOW   |
| Device/tx60_0input6  | LOW   |
| Device/tx60_0input7  | LOW   |
| Device/tx60_0output0 | LOW   |
| Device/tx60_0output1 | LOW   |

ABOUT MQTT

MQTT stands for MQ Telemetry Transport. It is a publish/subscribe, extremely simple and lightweight messaging protocol, designed for constrained devices and low-bandwidth, high-latency or unreliable networks. The design principles are to minimise network bandwidth and device resource requirements whilst also attempting to ensure reliability and some degree of assurance of delivery.

These principles also turn out to make the protocol ideal of the emerging "machine-to-machine" (M2M) or "Internet of Things" world of connected devices, and for mobile applications where bandwidth and battery power are at a premium.

MQTT LINKS

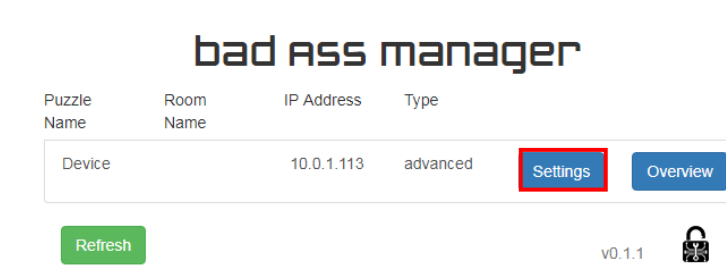
- MQTT Home Page
- MQTT on Wikipedia

Set the broker IP  
and make sure MQTT is Enabled



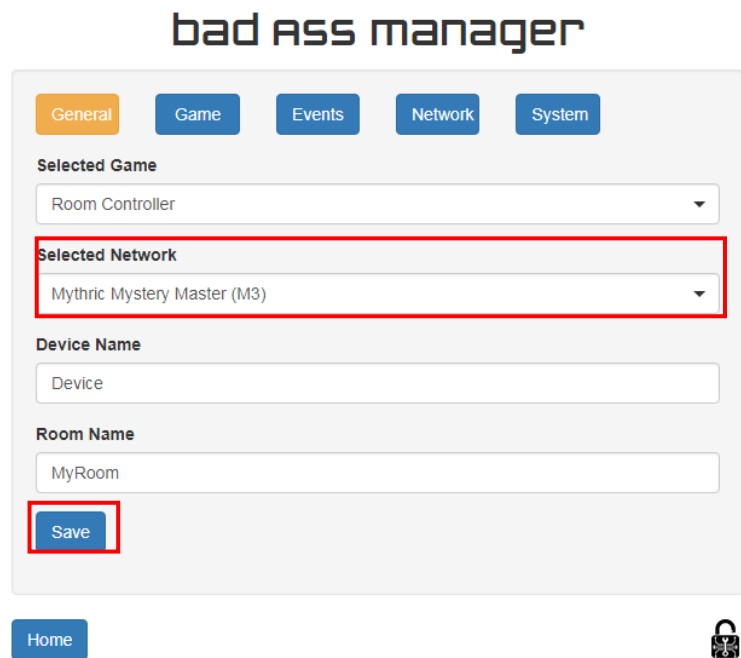
M3 Should now be connected to MQTT

## BAC / BAM Configuration



Open the BAM Interface  
and select your device settings

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In the general settings tab  
choose M3 as the Selected Network and click Save

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# bad ass manager

General Game Events **Network** System

**Selected Network:**  
Mythic Mystery Master (M3)


**Mac Address**  
0200AE000001

**My IP**  
10.0.1.113

**Gateway**  
10.0.1.1


**Subnet Mask**  
255.255.255.0

DHCP Enable

**Connection Status**  
  
Resubscribe

**Host IP**  
10.0.1.120

Save

Home 

Choose the Network tab

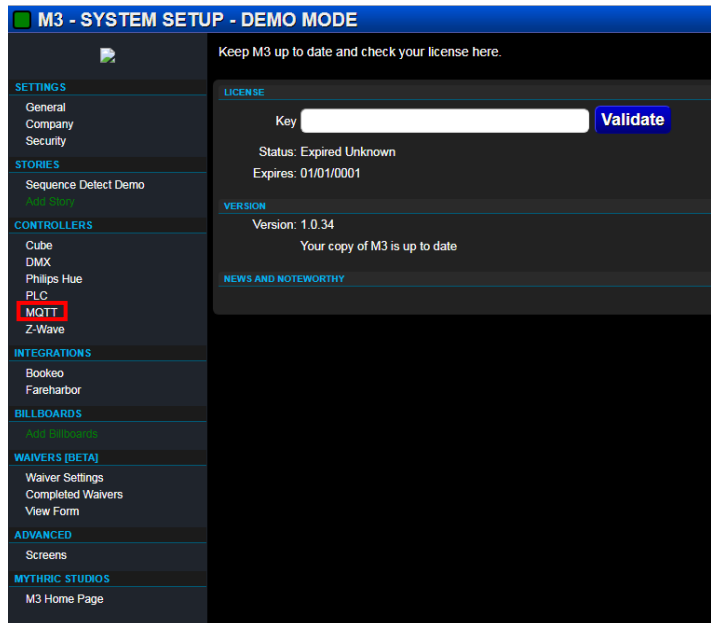
and configure your network settings. Host IP should be the IP address of your MQTT Broker

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# BAC / M3 Integration



From the main menu select System Setup



Go to MQTT  
under the Controllers column.

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General Game Events **Network** System

**Selected Network:**  
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**Mac Address**  
0200AE000001

**My IP**  
10.0.1.113

**Gateway**  
10.0.1.1


**Subnet Mask**  
255.255.255.0

DHCP Enable

**Connection Status**  
  
Resubscribe

**Host IP**  
10.0.1.120

Save

Home 

In the BAM interface under the

Network settings tab click Resubscribe

Set the properties for linking M3 act as an MQTT Broker or Client. Save

MQTT CLIENT  
Broker: 10.0.1.120 Enabled

**ACTIVE MQTT TOPICS**

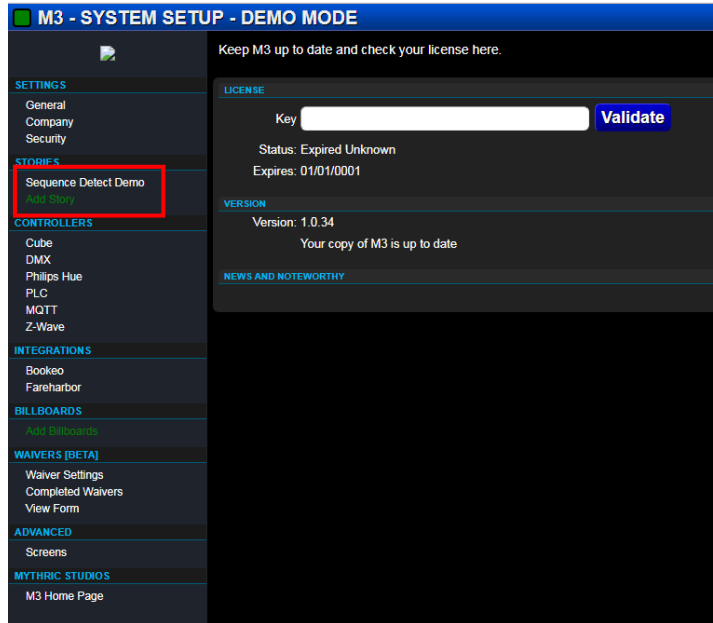
| Name                 | Value |
|----------------------|-------|
| Device/disable       |       |
| Device/enable        |       |
| Device/hx60_0input0  | LOW   |
| Device/hx60_0input1  | LOW   |
| Device/hx60_0input2  | LOW   |
| Device/hx60_0input3  | LOW   |
| Device/hx60_0input4  | LOW   |
| Device/hx60_0input5  | LOW   |
| Device/hx60_0input6  | LOW   |
| Device/hx60_0input7  | LOW   |
| Device/hx60_0output0 | LOW   |
| Device/hx60_0output1 | LOW   |

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**MQTT LINKS**  
- MQTT Home Page  
- MQTT on Wikipedia

Your BAC should

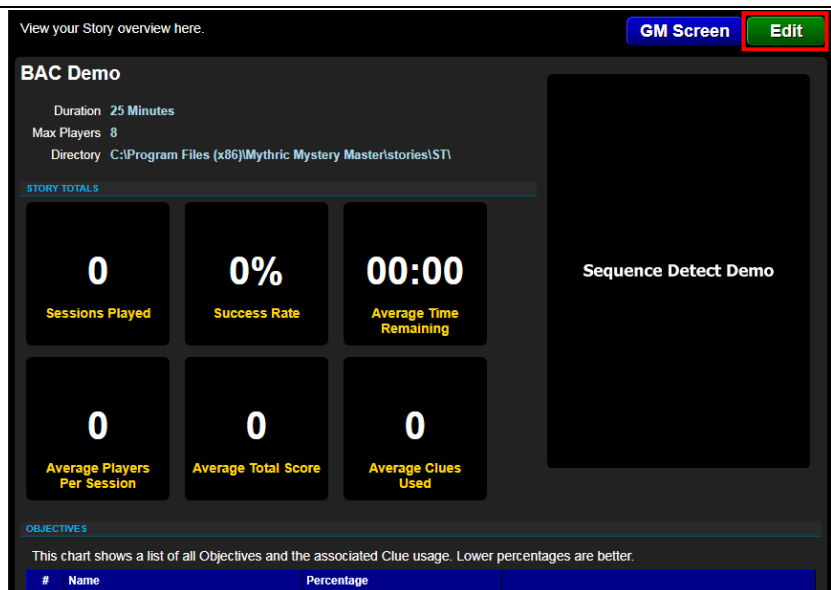
now populate the MQTT topics in M3



In the sidebar select your story  
or Add Story to create a new one

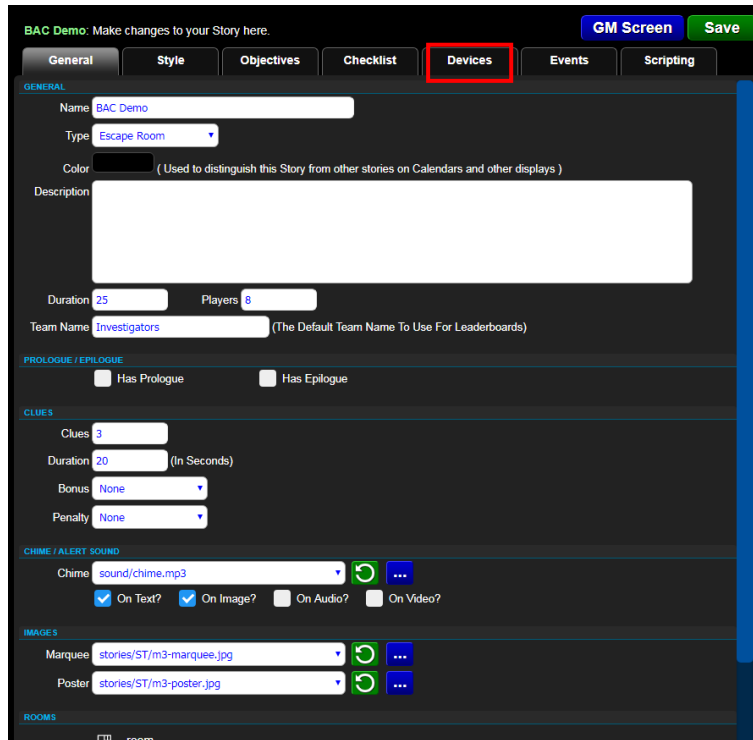


If you created a new  
story set a name and ID and click Next

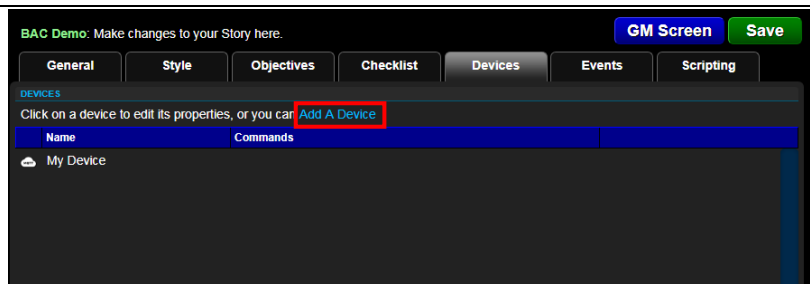


Press the Edit button

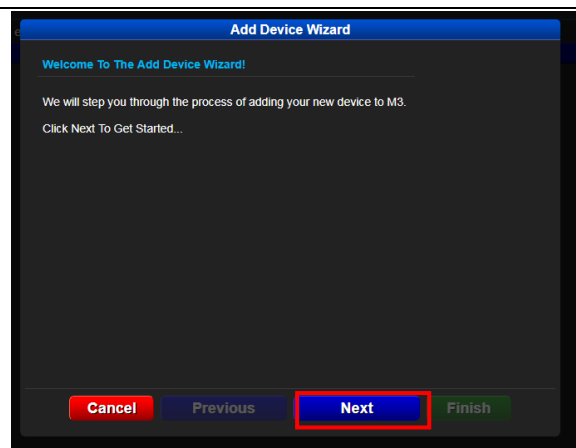




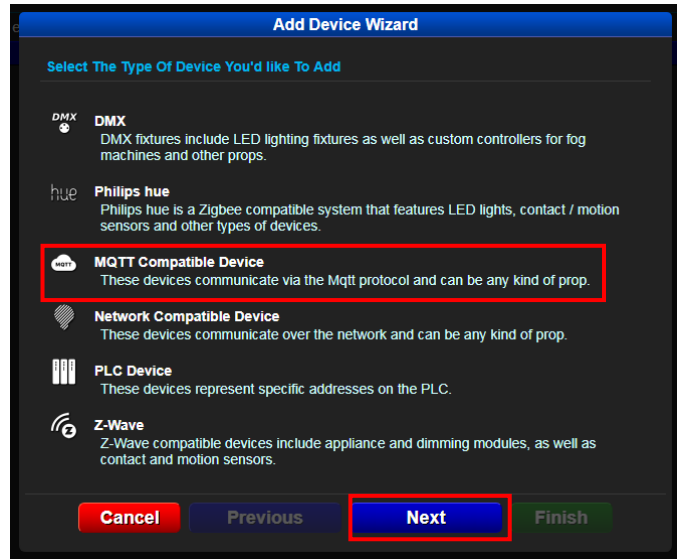
Go to the Devices tab



Select Add a Device

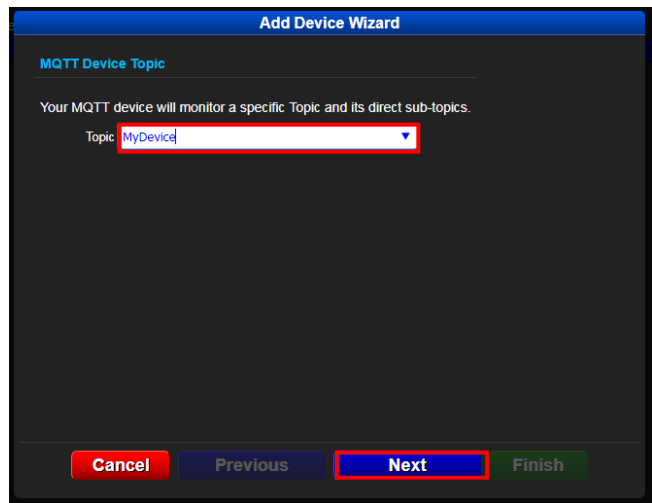


Select Next



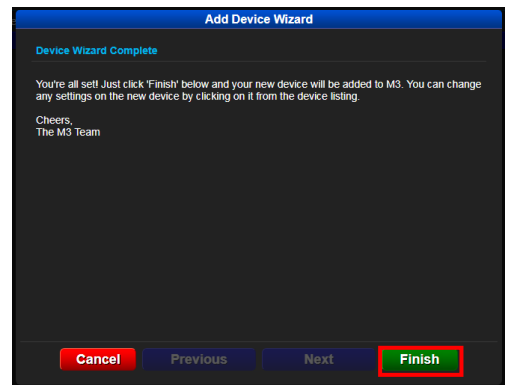
Select MQTT Compatible Device and click Next

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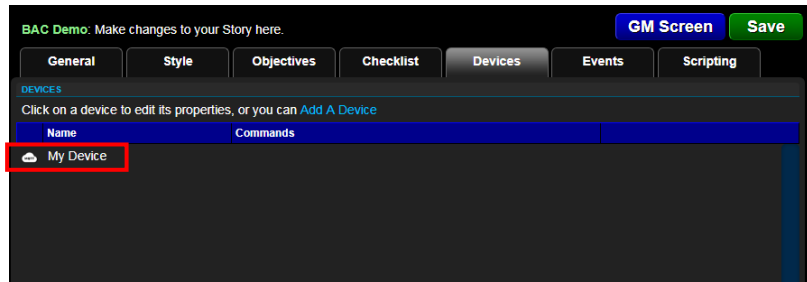
Set the MQTT topic to  
your device name and click next

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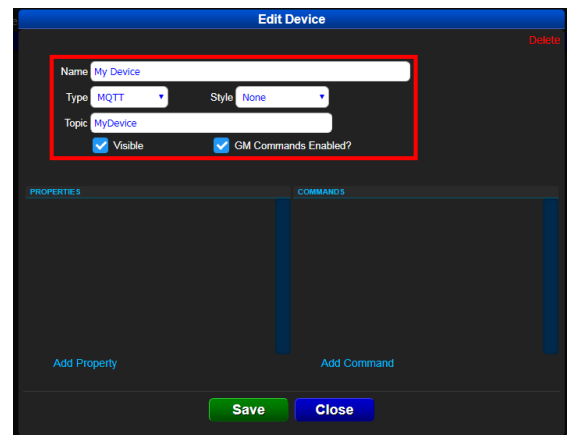
Select Finish

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Your device should now be in the list. Select your device and click Edit

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Make sure these are set correctly

Name is a nickname for your device. Type should be MQTT. Style is unimportant. Topic should be your device name set in BAM. Both Visible and GM Commands Enabled? should be checked.

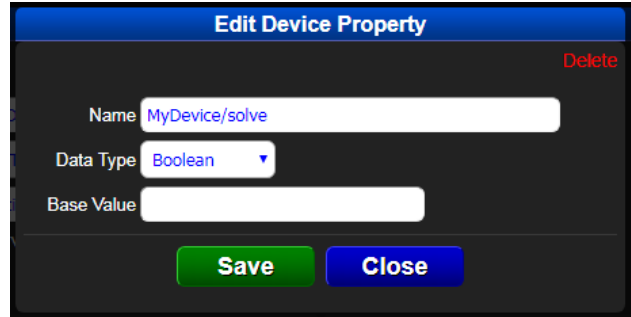
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To add Commands select Add Command from the Edit Device dialog.

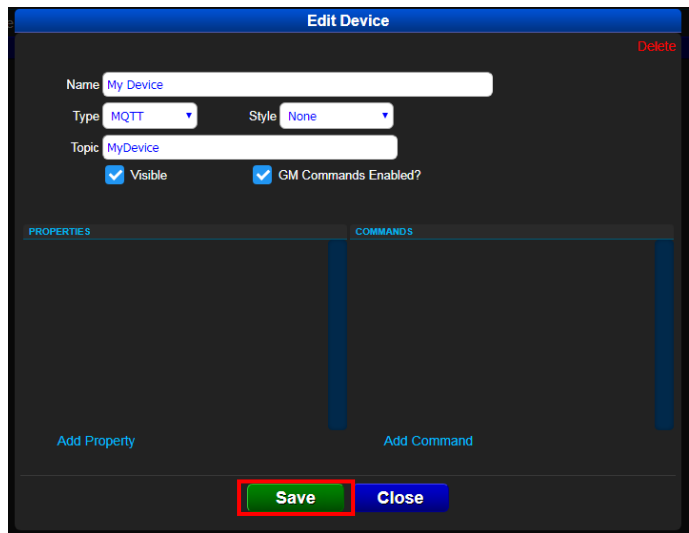
The Name field is a label for your command. The Text field is the command to send. The Command field is used for any parameters you send. Select Save

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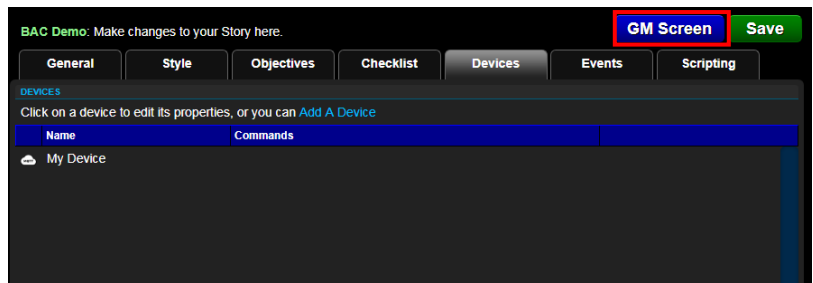


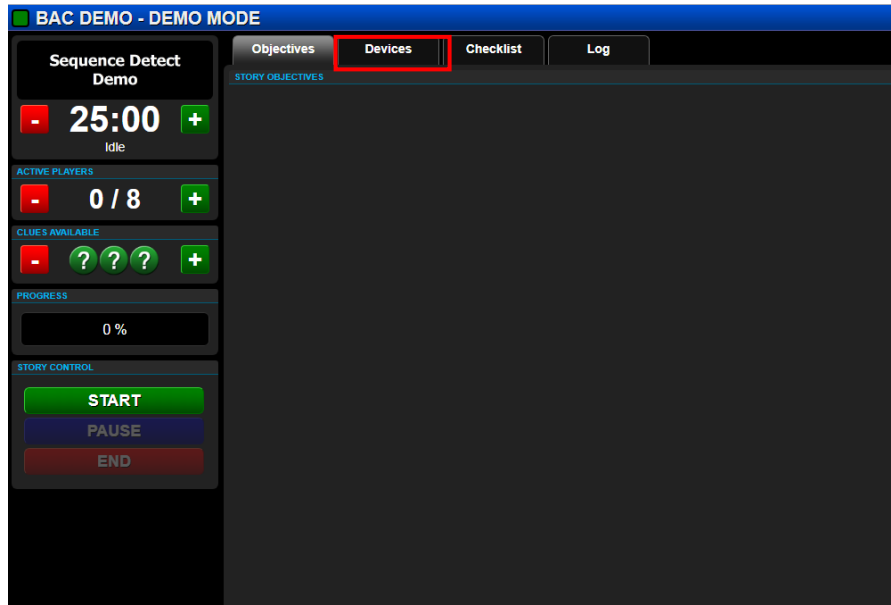
To add Properties, select Add Property from the Edit Device dialog.

The Name field is the command from the BAC to M3. Here you can select a data type, and optional default base value.



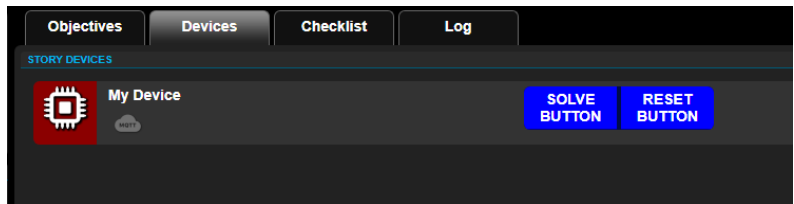
To view your device in action, click Save to close the Edit Device dialog and select GM Screen.





Go to the Devices tab

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Here you can  
monitor properties and send commands

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# bad ass manager

[General](#) [Game](#) [Events](#) [Room Control](#) [Network](#) [System](#)

**Selected Network:**  
Mythic Mystery Master (M3)

**Mac Address**  
0200ae000000

**My IP**  
124.1.0.10


**Gateway**  
1.1.0.10

**Subnet Mask**  
0.255.255.255

**DNS Server**  
8.8.8.8

DHCP Enable

Connection Status



**Host IP**  
0.0.0.0

[Resubscribe](#)

[Save](#)

[Home](#)

