

# Local MQTT topics

This page contains all the MQTT topics that are available on the smappee device that is reachable via the MQTT platform at address:

- TCP `tcp://<smappee-ip-address>:10000`
- WebSocket `wss://<smappee-ip-address>:10001`

Note that all parts of a topic name that is embedded in `<>` characters and formatted as bold text is not fixed and will depend on the context that is described for each entry. All content is JSON.

Some information is available to all listeners, even the once that connected and started listening after the information was published. The MQTT protocol refers to this as "retained" messages. When the column "Retained" contains true then that topic contains retained messages.

Topic name	Parameters	Description	Retained	Example content
<code>servicelocation/&lt;uuiid&gt;/config</code>	uuiid: The unique identifier of the service location	Contains the meta information of the service location as key/value pairs	true	<pre>{   "utcTimeStamp":1516351781376,   "deviceUuid":"c82b8446-3457-407a-82f4-9e1d78e94e34",   "serialNumber":"2004000025",   "serviceLocationUuid":"a02e00de-b589-11e7-bebe-0221c2cd44f5",   "serviceLocationId":555,    "firmwareVersion":"V3125",    "aggregationPeriodSeconds":300, }</pre>
<code>servicelocation/&lt;uuiid&gt;/sensorConfig</code>	uuiid: The unique identifier of the service location		true	<pre>{   "utcTimeStamp":1516355153244,   "gwSensors":[     {       "gwSensorChannelsConfig":[         {           "leakIntervals":2,           "maxPulses":150,           "ppu":1.0,           "uom":"l",           "enabled":true,           "type":"WATER"         },         {           "leakIntervals":0,           "maxPulses":5,           "ppu":1.0,           "uom":"m3",           "enabled":false,           "type":"GAS"         }       ],       "sensorId":175,       "serialNumber":"3004001483"     }   ],   "switchSensors":[     {       "name":"Nieuwe plug 1",       "serialNumber":"4004000101",       "sensorId":173     },     {       "name":"TestAndre",       "serialNumber":"4006999999",       "sensorId":174     }   ] }</pre>
<code>servicelocation/&lt;uuiid&gt;/channelConfig</code>	uuiid: The unique identifier of the service location		true	<pre>{   "utcTimeStamp":1516351942839,   "inputChannels":[     {       "ctInput":0,       "name":"load1",       "phase":0,       "inputChannelType":"CONSUMPTION",       "inputChannelConnection":"GRID",       "reversed":false,       "nilm":false,       "balanced":false,       "inputChannelCTType":"CT50_100_200"     },     {       "ctInput":1,       "name":"load2",       "phase":0,       "inputChannelType":"CONSUMPTION",       "inputChannelConnection":"SUBMETER",       "reversed":true,       "nilm":false,       "balanced":false,       "inputChannelCTType":"CT50_100_200"     },     {       "ctInput":2,       "name":"load3", </pre>

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"phase":0,
"inputChannelType":"UNUSED",
"inputChannelConnection":"OFF_GRID",
"reversed":false,
"nilm":false,
"balanced":false,
"inputChannelCTType":"CT50_100_200"
},
{
"ctInput":3,
"name":"solar1",
"phase":0,
"inputChannelType":"UNUSED",
"inputChannelConnection":"OFF_GRID",
"reversed":false,
"nilm":false,
"balanced":false,
"inputChannelCTType":"CT50_100_200"
},
{
"ctInput":4,
"name":"solar2",
"phase":0,
"inputChannelType":"UNUSED",
"inputChannelConnection":"OFF_GRID",
"reversed":true,
"nilm":false,
"balanced":false,
"inputChannelCTType":"CT50_100_200"
},
{
"ctInput":5,
"name":"solar3",
"phase":0,
"inputChannelType":"UNUSED",
"inputChannelConnection":"OFF_GRID",
"reversed":true,
"nilm":false,
"balanced":false,
"inputChannelCTType":"CT50_100_200"
},
{
"ctInput":6,
"name":"test3",
"phase":0,
"inputChannelType":"UNUSED",
"inputChannelConnection":"GRID",
"reversed":false,
"nilm":false,
"balanced":false,
"inputChannelCTType":"CT50_100_200"
},
{
"ctInput":7,
"name":"",
"phase":0,
"inputChannelType":"UNUSED",
"inputChannelConnection":"GRID",
"reversed":false,
"nilm":false,
"balanced":false,
"inputChannelCTType":"CT50_100_200"
},
{
"ctInput":8,
"name":"",
"phase":0,
"inputChannelType":"UNUSED",
"inputChannelConnection":"GRID",
"reversed":false,
"nilm":false,
"balanced":false,
"inputChannelCTType":"CT50_100_200"
}
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				<pre> } ] } </pre>
servicelocation/<uuid>/homeControlConfig	uuid: The unique identifier of the service location		true	<pre> {   "utcTimeStamp":1516351781394,   "switchActuators":[     {       "nodeld":42,       "name":"Nieuwe plug 1",       "serialNumber":"4004000101"     },     {       "nodeld":43,       "name":"TestAndre",       "serialNumber":"4006999999"     }   ],   "smartplugActuators":[     {       "nodeld":50,       "name":"Nieuwe plug 3"     }   ] } </pre>
servicelocation/<uuid>/presence	uuid: The unique identifier of the service location	Contains a flag that indicates if the smappee device that is activated on the service location detected presence based on the actual consumption.	true	<pre> {   "value": true } </pre>
servicelocation/<uuid>/realtime	uuid: The unique identifier of the service location	<p>Contains the realtime power values. Note that this information is published every second.</p> <p>Where:</p> <ul style="list-style-type: none"> <li>power in W (watt)</li> <li>energy in J (joule, Ws) (not persisted, reset to 0 on every software restart)</li> <li>voltage in V (volt)</li> <li>current in dA (deciampère)</li> <li>totals are the aggregated values taken into account the channel configuration</li> </ul>	false	<pre> {   "totalPower":98,   "totalReactivePower":116,   "totalExportEnergy":0,   "totalImportEnergy":344037,   "monitorStatus":0,   "utcTimeStamp":1516355206580,   "channelPowers":[     {       "ctInput":0,       "power":98,       "exportEnergy":0,       "importEnergy":344037,       "phaseld":0,       "current":7     },     {       "ctInput":1,       "power":99,       "exportEnergy":0,       "importEnergy":346027,       "phaseld":0,       "current":7     }   ],   "voltages":[     {       "voltage":207,       "phaseld":0     },     {       "voltage":0,       "phaseld":1     },     {       "voltage":0,       "phaseld":2     }   ] } </pre>

<p>servicelocation-&lt;uuid&gt;/aggregated</p>	<p>uuid: The unique identifier of the service location</p>	<p>Contains the consumption values aggregated per 5 minutes.</p> <p>Note that this information is published every 5 minutes.</p>	<p>false</p>	<pre>{   "intervalDatas":[     {       "utcEndTime":1516632600000,       "averageRMSVoltages":[         2231,         0,         0       ],       "alwaysOn":78702,       "channelIntervalDatas":[         {           "averageRMSCurrent":673,           "averageImportRMSActivePower":100513,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":150597,           "averageRMSReactivePower":111867,           "averagePowerfactor":65,           "ctInput":0         },         {           "averageRMSCurrent":675,           "averageImportRMSActivePower":101089,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":150962,           "averageRMSReactivePower":111832,           "averagePowerfactor":65,           "ctInput":1         },         {           "averageRMSCurrent":0,           "averageImportRMSActivePower":0,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":0,           "averageRMSReactivePower":0,           "averagePowerfactor":0,           "ctInput":2         },         {           "averageRMSCurrent":0,           "averageImportRMSActivePower":0,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":0,           "averageRMSReactivePower":0,           "averagePowerfactor":0,           "ctInput":3         },         {           "averageRMSCurrent":0,           "averageImportRMSActivePower":0,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":0,           "averageRMSReactivePower":0,           "averagePowerfactor":0,           "ctInput":4         },         {           "averageRMSCurrent":0,           "averageImportRMSActivePower":0,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":0,           "averageRMSReactivePower":0,           "averagePowerfactor":0,           "ctInput":5         },         {           "averageRMSCurrent":0,           "averageImportRMSActivePower":0,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":0,           "averageRMSReactivePower":0,           "averagePowerfactor":0,           "ctInput":6         },         {           "averageRMSCurrent":0,           "averageImportRMSActivePower":0,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":0,           "averageRMSReactivePower":0,           "averagePowerfactor":0,           "ctInput":7         },         {           "averageRMSCurrent":0,           "averageImportRMSActivePower":0,           "averageExportRMSActivePower":0,           "averageRMSApparentPower":0,           "averageRMSReactivePower":0,           "averagePowerfactor":0,           "ctInput":8         }       ],       "version":2     }   ] }</pre>
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servicelocation/<uuid>/aggregatedGW		<p>Contains the consumption values aggregated per 5 minutes.</p> <p>Note that this information is published on the 5 minutes boundary only if there was consumption during that 5 minute period.</p>		<pre>{   "gwIntervalDatas":[     {       "utcEndTime":1516632900000,       "sensorId":175,       "index0Delta":2,       "index1Delta":0,       "temperature":246,       "humidity":45,       "battLevel":67,       "version":1     }   ] }</pre>
servicelocation/<uuid>/aggregatedSwitch		<p>Contains the consumption values aggregated per 5 minutes.</p> <p>Note that this information is published every 5 minutes.</p>		<pre>{   "switchIntervalDatas":[     {       "utcEndTime":1516632600000,       "activePower":0,       "reactivePower":0,       "version":1,       "sensorId":173     }   ] }</pre>
servicelocation/<uuid>/plugsNetwork	<p>uuid: The unique identifier of the service location</p>	<p>manage the plugs (smappee switches) network in the smappee. Possible command values are REPAIR_NETWORK to repair disconnected plugs and REBUILD_NETWORK to rebuild the complete network</p>	false	<pre>{   "value": "REPAIR_NETWORK"   "REBUILD_NETWORK",   "since": 1505479692000 }</pre>
servicelocation/<uuid>/plug/<node id>/state	<p>uuid: The unique identifier of the service location</p> <p>node id: The unique identifier of the plug</p>	<p>Contains an indicator that the specified plug at the smappee device that is activated on the specified service location, is switched on or off and the timestamp on which the switch to that state occurred.</p> <p>The timestamp is the number of milliseconds that have passed since Jan 1st, 1970 (UTC).</p>	true	<pre>{   "value": "ON",   "since": 1505479692000 }  {   "value": "OFF",   "since": 1505479692000 }</pre>
servicelocation/<uuid>/plug/<node id>/connectionState	<p>uuid: The unique identifier of the service location</p> <p>node id: The unique identifier of the plug</p>	<p>Contains an indicator that the specified plug at the smappee device that is linked to the service location, is connected (1), disconnected (0), or unreachable (2) and the timestamp on which the switch to that state occurred.</p> <p>The timestamp is the number of milliseconds that have passed since Jan 1st, 1970 (UTC).</p>	true	<pre>{   "value":"CONNECTED",   "since":1516355163247 }  {   "value":"DISCONNECTED",   "since":1516355163247 }  {   "value":"UNREACHABLE",   "since":1516355163247 }</pre>
servicelocation/<uuid>/plug/<node id>/setstate	<p>uuid: The unique identifier of the service location</p> <p>node id: The unique identifier of the plug</p>	<p>Sets the state 'On' or 'Off' on the specified plug at the smappee device that is activated on the specified service location.</p> <p>"since" must be "now" ( and may not differentiate more then 1 minute</p>	true	<pre>{   "value": "ON",   "since": 1505479692000 }  {   "value": "OFF",   "since": 1505479692000 }</pre>
servicelocation/<uuid>/trigger	<p>uuid: The unique identifier of the service location</p>	<p>reports a trigger action</p> <ul style="list-style-type: none"> <li>▪ triggerId assigned by backend during configuration</li> <li>▪ controllableNodes may be empty or uses nodeId from homeControlconfig</li> <li>▪ all other values according to the configuration of the trigger</li> <li>▪ Not all values are used for specific trigger types</li> </ul>	true	<pre>{   "triggerId": 3,   "label": "Nieuwe Trigger 3",   "controllableNodeIds": [2],   "type": "ACTIVE_POWER_ABOVE",   "longitude": 0.0,   "latitude": 0.0,   "radius": 0,   "delay": 0,   "action": "ON",   "threshold": 100.0 }</pre>

servicelocation/<uuid>/scheduler	uuid: The unique identifier of the service location	reports a scheduler action <ul style="list-style-type: none"><li>• schedulerId assigned by backend during configuration</li><li>• controllableNodes may be empty or uses nodeId from homeControlconfig</li><li>• all other values according to the configuration of the trigger</li></ul>	<pre>{   "schedulerId": 2,   "label": "Nieuwe Trigger off",   "controllableNodeIds": [],   "hour": 9,   "min": 10,   "day": "ALL_DAYS",   "action": "OFF" }</pre>
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