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Version: 1.0

XMOD

XMOD service handles configuration for ShellyX and Powered by Shelly devices.

- `XMOD.ApplyProductJWS` to apply a product configuration JWS token from the developer portal.

- `XMOD.GetProductJWS` to obtain the currently-applied product configuration JWS.

- `XMOD.GetInfo` to obtain the parsed `jws` token as `json`.

Methods

XMOD.ApplyProductJWS

Used to apply a product configuration JWS token obtained from the developer portal.

Request

Properties:

Property	Type	Description
`jws`	*string*	Product configuration JWS

Response

On success, an empty (`null`) response is returned. The module performs a factory reset and reboots into its "new product" mode.

On error, the token is not applied. Possible error codes are:

- `-107` Permission denied: if the module already has a JWS with the `final` flag set.

- `-103` Invalid argument: if `jws` is missing, malformed or otherwise invalid.

XMOD.GetProductJWS

Returns the currently-applied product configuration JWS.

Request

This method takes no parameters.

Response

Attributes in the result:

Property	Type	Description
`jws`	*string*	The applied token.

On error, the request has failed if the device has never been provisioned. Possible error codes:

- `-114` Unavailable – no JWS has been applied to the device.

XMOD.GetInfo

Returns the parsed `jws` token as `json`. Notable properties are:

Request

This method takes no parameters.

Response

Attributes in the result:

Property	Type	Description
`aud`	*string*	The application for which the token is intended.
`iat`	*number*	The time when the token was issued.

Property	Type	Description
`jti`	*string*	A unique identifier assigned to the token.
`v`	*string*	Version
`p`	*string*	Product prefix, used as part of AP SSID, hostname, MQTT Client Id and other system identifiers
`n`	*string*	Product Name
`m`	*string*	Manufacturer Name
`url`	*string*	Product URL
`f`	*bitfield*	<table><tr><th>Flag</th><th>Description</th></tr><tr><td>`0x01`</td><td>Final. If set, no new JWS can be applied.</td></tr></table>
`xmod`	*object*	XMOD-specific settings <table><tr><th>Property</th><th>Type</th><th>Description</th></tr><tr><td>`ni`</td><td>*number*</td><td>Number of Inputs</td></tr><tr><td>`no`</td><td>*number*</td><td>Number of Outputs (Switches)</td></tr><tr><td>`led`</td><td>*number*</td><td>Type of system led. `1`: Plain, active-low; `2`: WS2812 or compatible RGB</td></tr></table>

Examples

XMOD.ApplyProductJWS example

XMOD.ApplyProductJWS HTTP GET Request   XMOD.ApplyProductJWS Curl Request   XMOD.ApplyProductJWS Mos Request

```
http://192.168.33.1/rpc/XMOD.ApplyProductJWS?
jws="ewogICAgImFsZyI6IkVTMzg0IiwKICAgICJ0eXAiOiJKV1QiCn0.ewogICAgImF1ZCI6IlhUMSI
2Xk66Nr9g8UcBpng4sm7xBbTaLbhVlu10iQnGfyccuCuBMz0QKawVPYwQr6Dlj7d1b5qo1Y0SiTyVZOA
```

Response

```
null
```

XMOD.GetProductJWS example

XMOD.GetProductJWS HTTP GET Request   XMOD.GetProductJWS Curl Request   XMOD.GetProductJWS Mos Request

```
http://192.168.33.1/rpc/XMOD.GetProductJWS
```

Response

```
{
    "jwt":
"ewogICAgImFsZyI6IkVTMzg0IiwKICAgICJ0eXAiOiJKV1QiCn0.ewogICAgImF1ZCI6IlhUMSIsCiAg
2Xk66Nr9g8UcBpng4sm7xBbTaLbhVlu10iQnGfyccuCuBMz0QKawVPYwQr6Dlj7d1b5qo1Y0SiTyVZOA
}
```

XMOD.GetInfo example

XMOD.GetInfo HTTP GET Request

XMOD.GetInfo Curl Request

XMOD.GetInfo Mos Request

```
http://192.168.33.1/rpc/XMOD.GetInfo
```

Response

```json
{
  "jwt": {
    "aud": "XT1",
    "iat": 1000000000,
    "jti": "000000000000",
    "v": 1,
    "p": "WaterValve",
    "n": "Water Valve",
    "m": "",
    "url": "",
    "f": 0,
    "xt1": {
      "svc0": {
        "type": "water-valve"
      }
    }
  }
}
```