

Program (REST API)

Module description	REST API	EzCaster XML-RPC API	Rrplay XML-RPC API
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Queries to control the Program module.

Command Execution

```
POST http://<IP_ADDR>:7901/pgm?channel=<N>&command=<cmd>
```

Parameter description:

- **POST** - HTTP POST query.
- **<IP_ADDR>** - server IP address.
- **<N>** - Program service sequence number (starts with 1).
- **<cmd>** - command to be sent. Supported commands:
 - **"scte104_timesignal"** - generate SCTE-104 with TimeSignal type. The query body must contain an XML-description of the generated message (see "time_signal.xml" example).

Retrieving AsRun

Query to get a report on executed broadcast events (AsRun log). The query returns an XML-document.

```
GET  
http://<IP_ADDR>:7901/as_run?module_id=<N>[&max_count=M][&datetime=YYYY-MM-DDTHH:MM:SS]
```

Parameter description:

- **GET** - HTTP GET query.
- **<IP_ADDR>** - server IP address.
- **module_id** - Program EzCaster service sequence number (starts with 1). Each channel reserves 16 values. Examples (including reserved ones):
 - For Program 1 - 1-16 (where 1 - PG 1 MAIN LAYER, 2 - LAY2, etc.),
 - For Program 2 - 17-32 (where 17 - PG 2 MAIN LAYER, 18 - LAY2, etc.),
 - and so on.
- **max_count** - filter by the number of records displayed from the end of the list (show the last M records);
- **datetime** - filter by the time of playout start (output records with the start_time value greater than the one specified in this field). Time is specified in the YYYY-MM-DDTHH:MM:SS format.

Example of a query to the server:

```
http://localhost:7901/as_run?module_id=1&max_count=3&datetime=2018-03-28T13:
```

29:00

Example of a server response:

| [response_asrun.xml](#)

```
<AsRun request_time="2018-03-28T13:30:38.839">
  <Broadcasted_Clip uri="CityViews2 HD">
    <Attr name="title">CityViews2 HD</Attr>
    <Attr name="start_time">2018-03-28T13:29:04.560</Attr>
    <Attr name="end_time">2018-03-28T13:29:57.160</Attr>
    <Attr name="duration">00:00:52:15</Attr>
    <Attr name="onair"/>
  </Broadcasted_Clip>
  <Broadcasted_Clip uri="Robots 1">
    <Attr name="title">Robots 1</Attr>
    <Attr name="start_time">2018-03-28T13:29:57.160</Attr>
    <Attr name="end_time">2018-03-28T13:30:24.160</Attr>
    <Attr name="duration">00:00:27:00</Attr>
    <Attr name="onair"/>
  </Broadcasted_Clip>
  <Broadcasted_Clip uri="Robots 2">
    <Attr name="title">Robots 2</Attr>
    <Attr name="start_time">2018-03-28T13:30:24.160</Attr>
    <Attr name="end_time">2018-03-28T13:30:36.120</Attr>
    <Attr name="duration">00:00:11:24</Attr>
    <Attr name="onair"/>
  </Broadcasted_Clip>
</AsRun>
```

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