



Evolis SDK

Evolis Services provider API

How-to manage the lamination process

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Abstract

This documentation demonstrates how to manage the lamination module settings while printing a one-sided color design thanks to Evolis Services Provider API.

For monitoring purpose or check printer's status outside of a print job, use the CMD service and the GetStatus command, see [evolIS_sdk_binary-status.pdf](#) in the [help_and_support](#) folder.

Prerequisite

One computer with an Evolis driver suite installed in standard or supervision mode (EvolisPremium Suite, Evolis premium suite 2, Edikio Printer Suite, Badgy Premium Suite).

Pay attention to name your printer (designed as "Device" in the request) as it is instantiated on the server (Ex : Evolis Zenius (Copy 1)).

Technical limitations

Evolis Services Provider API is only available on Windows operating System for the server side.

Client must be compatible with JSON RPC V2.00 specifications.

Testing thanks to the demo tool

To test the requests set, possibly use the demo tool [here](#) (click on 1.demo.exe),

select your communication mode in the first section. Copy / paste requests one by one sequentially (the expected results / answer shows up in the lower pane of the demo application).

Set of requests to print a single side color card with and laminate it

A print job requires one printing session. One session is used per printing job to avoid mixing jobs. A session **must** be opened then closed.

A session has an automatic unique ID (here JOB00001) provided by the Evolis Services provider or given (managed) by the client application software.

Requests for a single side color print job

- A print job requires one printing session. Session system is used per printing job to avoid mixing jobs.
- A lamination sequence needs to be chosen (Recto / Verso / Recto-Verso)
- All commands of the lamination module can be found in the [firmware_commands_guide_1957_laminator](#)

Request 1: Parameter sequence lamination (Recto-Verso)

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "CMD.SendCommand",
  "params": {
    "command": "Clam;1;Pslam;RV",
    "device": "Evolis Primacy",
    "timeout": "5000"
  }
}
```

Expected result:

```
{
  "jsonrpc": "2.0",
  "result": "OK",
  "id": "1"
}
```

Alternative 1: One sided lamination - Recto

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "CMD.SendCommand",
  "params": {
    "command": "Clam;1;Pslam;R;1",
    "device": "Evolis Primacy",
    "timeout": "5000"
  }
}
```

Expected result:

```
{
  "jsonrpc": "2.0",
  "result": "OK",
  "id": "1"
}
```

Alternative 2: One sided lamination - Verso

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "CMD.SendCommand",
  "params": {
    "command": "Clam;1;Pslam;V;1",
    "device": "Evolis Primacy",
    "timeout": "5000"
  }
}
```

Expected result:

```
{
  "jsonrpc": "2.0",
  "result": "OK",
  "id": "1"
}
```

Request 2: Begin print session

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "PRINT.Begin",
  "params": {
    "device": "Evolis Primacy"
  }
}
```

Expected result :

```
{
  "jsonrpc": "2.0",
  "result": "JOB000001",
  "id": "1"
}
```

Request 3: Set printing parameters

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "PRINT.Set",
  "params": {
    "data": "GRibbonType=RC_YMCK0;IGSendSpoolerSession=OFF;Duplex=NONE",
    "session": "JOB000001"
  }
}
```

Expected result :

```
{
  "jsonrpc": "2.0",
  "result": "JOB000001",
  "id": "1"
}
```

Request 4: Send color bitmap

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "PRINT.SetBitmap",
  "params": {
    "data": "base64:ColorBitmapEcodededinBase64 ...",
    "face": "front",
    "panel": "color",
    "session": "JOB000001"
  }
}
```

Expected result:

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": "OK"
}
```

Request 5: Send black bitmap

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "PRINT.SetBitmap",
  "params": {
    "data": "base64:BlackBitmapEcodededinBase64 ...",
    "face": "front",
    "panel": "resin",
    "session": "JOB000001"
  }
}
```

Expected

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": "OK"
}
```

Request 6: Send varnish bitmap

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "PRINT.SetBitmap",
  "params": {
    "data": "base64:BlackBitmapEncodedinBase64 ...",
    "face": "front",
    "panel": "varnish",
    "session": "JOB000001"
  }
}
```

Expected

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": "OK"
}
```

Request 7: Run the print job

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "PRINT.Print",
  "params": {
    "session": "JOB000001"
  }
}
```

Expected result:

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": "OK"
}
```


Request 8: End the print job

```
{
  "jsonrpc": "2.0",
  "id": "1",
  "method": "PRINT.End",
  "params": {
    "session": "JOB000001"
  }
}
```

Expected result:

```
{
  "id": "1",
  "jsonrpc": "2.0",
  "result": "OK"
}
```

Disclaimer

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