

# SMS: FTP Access

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## Table of content

1	Aim/objective	1
2	Scope	1
3	Connectivity	1
3.1	Port 43750 and port 21	1
3.2	Masquerading	2
3.3	FXP	2
4	Accounts	2
4.1	Security logs	2
4.2	System log and file system check output	2
4.3	Content	2
4.3.1	Single DCP structure	3
4.3.2	Multiple DCP structure	3

## 1 Aim/objective

This document provides information about FTP access on the Barco ICMP as part of the SMS API.

## 2 Scope

This document is intended for software engineers that need to integrate SMS API.

## 3 Connectivity

The Barco ICMP is running in a projector and can be accessed via FTP on different physical connection:

- On the projector Ethernet port
- On the LAN port 1 on ICMP
- On the LAN port 2 on ICMP

It is highly recommended to use only LAN port 1 or LAN port 2 of the ICMP for content transfer.



**Each of the above ports has to be configured with a different network range than the others.**

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### 3.1 Port 43750 and port 21

The FTP server of the ICMP is configured to accept connection on the port 43750 and port 21. However the projector also runs a FTP server listening on port 21 therefore this port cannot be used when accessing the ICMP via the projector Ethernet port.

The FTP server of the ICMP supports the passive mode transfer.



**When connecting through network devices using IP mapping tables the port 43750 should be explicitly defined as a FTP port on those devices to allow a correct FTP command translation.**

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## 3.2 Masquerading

The FTP server of the ICMP is enabling masquerading using the IP address of the projector so that it can be accessed via the projector Ethernet port using the IP address of the projector.

## 3.3 FXP

Introduced with ICMP 1.2.3.

FXP support has been enabled on the FTP server in version 1.2.3. The FTP server of the ICMP is only accepting the passive mode.

## 4 Accounts

### 4.1 Security logs

Security logs can be exported using the SMS API. The result of the export can be retrieved over FTP with the following access:

*User*            *ftpseclog*  
*Password*     *icmp*

The system only accepts one export at a time.

The system exports all requested logs into a single file.

The output file is overwritten every time a new export is requested and it will disappear after a reboot or if an update of the system is started.

### 4.2 System log and file system check output

System logs can be exported using the SMS API. The result of the export can be retrieved over FTP with the following access:

*User*            *ftpsyslog*  
*Password*     *icmp*

The output file is overwritten every time a new operation is requested and it will disappear after a reboot or if an update of the system is started.

The same access can be used to retrieve the output of a file system check operation.

### 4.3 Content

The content of the ICMP can be accessed in two ways:

- A single DCP structure referencing all CPLs on the local storage of the ICMP

# SMS: FTP Access

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- A multiple DCPs structure in folders each referencing one CPL (version 1.2.3)

## **4.3.1 Single DCP structure**

*User*            *ftpcontent*  
*Password*      *icmp*

A single ASSETMAP.xml file and a single PKL.xml file can be found at the root of this FTP access.

Show playlists, schedule and KDMs can also be retrieved with this FTP access.

## **4.3.2 Multiple DCP structure**

Introduced with ICMP 1.2.3.

*User*            *ftpdcps*  
*Password*      *icmp*

A list of folders can be found at the root of this FTP access. Each folder is named after the unique id of a CPL and will contain one ASSETMAP.xml file, one PKL.xml file, the CPL file and all the assets of the CPL that are present on the local storage.