



# MONITOR

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**bit**onlive

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# Monitor

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The **Monitor** is the **BitOnLive** tool that allows you to check the applications status of handle running errors; it is possible to verify the existence of a file to a computer within the network or an internet site.

For each of these checks can send error mail, configure the restart applications and the launch of additional applications.

Essential to keep under control the whole operation of your station.

## Summary

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# Function Keys

 Setup	Opens the Monitor general configuration
 Language	Change the language setting of the application
 Log	Show Application Logs
 Add	Adds a control instance
 Delete	Removes the selected instance
 Modify	Edit the selected instance
 Show grid	To change the view of the instances from the box to the grid
 Hide grid	To change the view of the instances from the grid to box
 Load profile	Load a previously saved profile
 Save profile	Save the profile created

# Setup

Clicking the  Setup icon opens the window where to configure the basic settings of the **Monitor**.



**Shared Folder:** shared folder path of BitOnLive systems

**Address of receiving:** IP address for the reception of the monitoring commands

**Receiving Port:** Receiving port for monitoring control

- Mail-

**Send to:** email address on which to send emails warning

**SMTP server Output:** name of the outgoing server SMTP

**User:** user name for logging on to the SMTP server

**Password:** password for logging on to the SMTP server

**SSL:** Enable or disable SSL certificates

# Adding new controls

To add new controls to the **Monitor** click on **Add** 

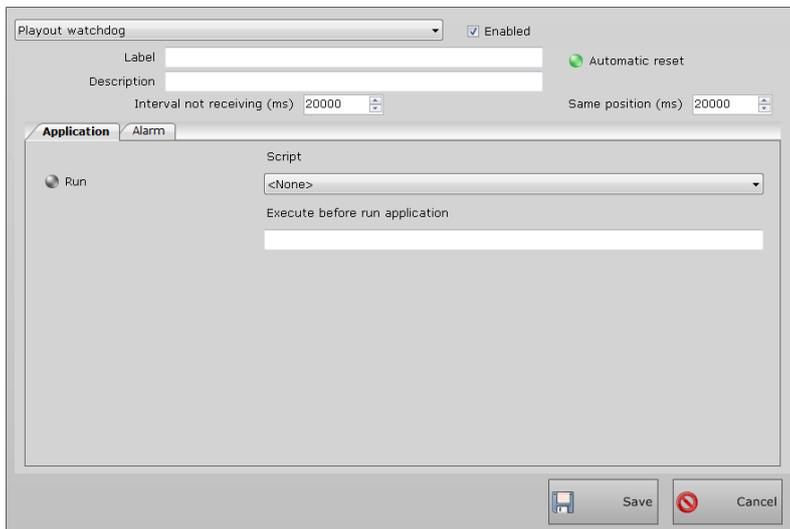
From the combo box, you can choose on which type of item check:

- Watchdog Payout
- Generic Watchdog
- Ping
- Check URL
- The control computer
- Control File Existence
- Control String in the File

The setting in the tab "applications" has different fields for each of the types of controls while the tab "Alarms" is equal for all.

## Watchdog Payout

This instance verifies the correct execution of the Payout



**Label:** name of the label set in the configuration of the Payout

**Description:** name of the instance

**Automatic reset:** In case of error signal, reset the monitor state

**Interval not receiving:** Time in milliseconds to wait without receiving information from the payout

**Same position:** Time in milliseconds to wait wherein the onair file remains stationary in the same position

- Tab Application-

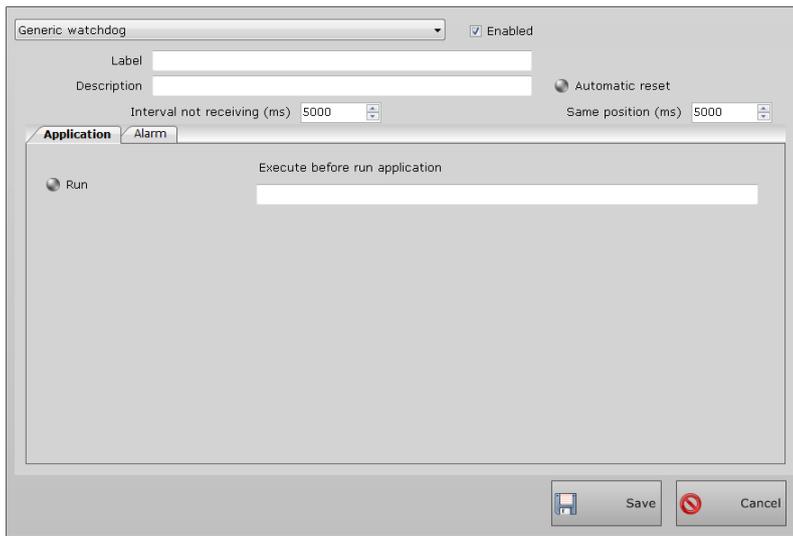
**Run:** enables the application to restart in the event of unexpected application error

**Script:** from the list, select one of the scripts created in the configuration of the payout

**Execute before run application:** the name and path of the file to be executed before restarting the application

## Generic Watchdog

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**Label:** label set in the configuration of the Download Manager, Audiocast or another application

**Description:** name of the instance

**Automatic reset:** In case of error, signal is reset monitor state

**Interval without receiving information:** Time in milliseconds to wait without receiving information from the application

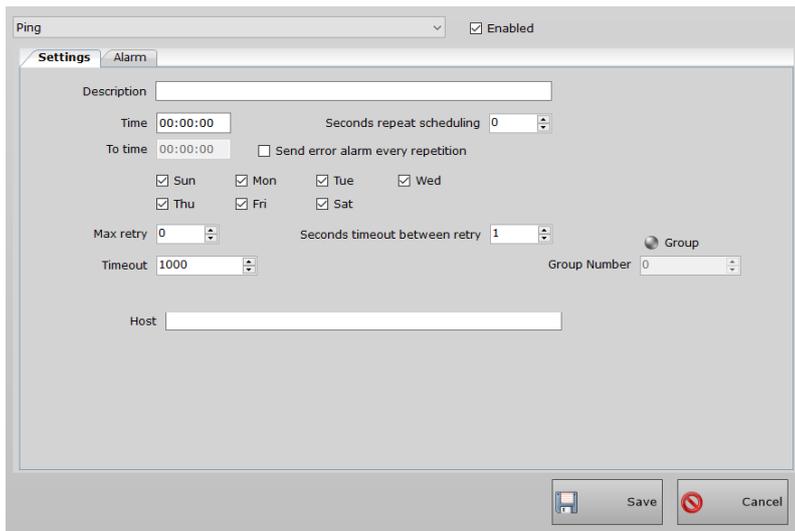
**The same position:** Time in milliseconds to wait that the program remains stationary in the same position

- Tab Application-

**Run:** enables the application to restart in the event of unexpected application error

**Execute before run application:** the name and path of the file to be executed before restarting the application

# Ping



- Tab Settings-

**Description:** name of the instance

**Time:** starting time of the instance

**Seconds repeat scheduling:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm every repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of retries when no answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**Host:** IP address on which to perform the Ping

## Check URL

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Check URL  Enabled

**Settings** Alarm

Description

Time 00:00:00 Seconds repeat scheduling 0

To time 00:00:00  Send error alarm every repetition

Sun  Mon  Tue  Wed  
 Thu  Fri  Sat

Max retry 0 Seconds timeout between retry 1

Timeout 1000 Group  Group Number 0

URL

- Tab Settings-

**Description:** The name of the instance

**Time:** starting time of the instance

**Second repeat scheduling:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm every repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of retries when no answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**URL:** URL Address by check

## The control computer

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Check computer  Enabled

**Settings** Alarm

Description

Time  Seconds repeat scheduling

To time   Send error alarm every repetition

Sun  Mon  Tue  Wed  
 Thu  Fri  Sat

Max retry  Seconds timeout between retry

Timeout   Group

Group Number

Computer

- Tab Settings-

**Description:** The name of the instance

**Time:** starting time of the instance

**Second scheduling repeating:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm for each repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of retries when no answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**Computer:** computer name of which verify the presence in the network

## Check Computer Hour

- Tab Settings-

**Description:** The name of the instance

**Time:** starting time of the instance

**Second scheduling repeating:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm every repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of Retries when No Answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**Computer:** Computer name to check if the time set on this computer is the same as the one set on the computer from which the instance start

**Maximum Time Difference:** Maximum difference of minutes between the time set on the computer to be monitored and the computer from which the instance starte

## Check Executable File Execution

- Tab Settings-

**Description:** The name of the instance

**Time:** starting time of the instance

**Second scheduling repeating:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm every repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of Retries when No Answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**File:** name of the executable file to check the execution status (without final .exe). It succeeds if the file is currently running

## Check Executable File Not Running

- Tab Settings-

**Description:** The name of the instance

**Time:** starting time of the instance

**Second scheduling repeating:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm every repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of Retries when No Answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**File:** : name of the executable file to check the execution status (without final .exe). Success if the file is not currently running

## Control File Existence

- Tab Settings-

**Description:** The name of the instance

**Time:** starting time of the instance

**Second scheduling repeating:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm every repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of Retries when No Answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**File:** path and name of the file that check the existence

**Minimum size:** minimum file size to verify its validity

**Maximum size:** maximum size to verify its validity

**Last Modified:** number of minutes of the last modification to verify its validity

## Check String in the File

- Tab Settings-

**Description:** The name of the instance

**Time:** starting time of the instance

**Second scheduling repeating:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm every repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of Retries when No Answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**File:** the path and name of the file to check

**Search string:** string to search within the indicated file

## Check Disk Space

- Tab Settings-

**Description:** The name of the instance

**Time:** starting time of the instance

**Second scheduling repeating:** seconds of repetition of execution

**To time:** ending time of the instance execution

**Send error alarm every repetition:** Enables or disables

**Enabling of Days:** Choose the days of the week to run the instance

**Max retry:** Number of Retries when No Answer

**Seconds timeout between retry**

**Timeout:** time to wait for a response

**Group:** enable group execution

**Group Number:** Group ID number

**Volume Path:** Disk path to check

**Minimum free space (%):** minimum percentage of free disk space

## Setting Alarms

The screenshot shows the 'Alarm' settings window with three main sections:

- Mail:** Includes an 'Enabled' checkbox, 'Object (Resumed)', 'Object (On Error)', and 'Send to' input fields.
- Application:** Includes an 'Enabled' checkbox, a path input field with a browse button, 'Arguments (Resumed)', and 'Arguments (On Error)' input fields.
- Ip String:** Includes an 'Enabled' checkbox, 'Arguments (Resumed)', 'Arguments (On Error)', and 'Send To' input fields.

- Mail-

**Object (executed):** object of the mail send in case of execution of operation monitored

**Object (not executed):** object of the mail send in case of non-execution of operations monitored

**Send to:** email address to which to send the e-mail reporting errors

- Application-

Specify the path and name of the file to launch

**Arguments (executed):** additional arguments to the execution of the application in case of execution of such Transactions Monitored

**Arguments (not executed):** additional arguments to the execution of the application in the event of non-execution of operations monitored

-IP String-

**Arguments (Resumed):** content of the TCP / UDP string to send in the case of execution of the monitored operations

**Arguments (In Error):** content of the TCP / UDP string to send in case of failure of the monitored operations

**Send to:** type of string to send (UDP or TCP), IP address to which to send the error reporting string, port on which to send the message. The format must be as follows: Type: Address: Port (eg UDP: 127.0.0.1: 50000)

## Group operation

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**Group:** Button to enable the group function

**Group number:** identification number of the group of instances

Instances with the same Group Number perform alarm operations (mail, application or ip string) only if all the instances of the group fail or all are positive.

If only one instance has a different outcome than the others in the same group, the software will not perform any set operation.

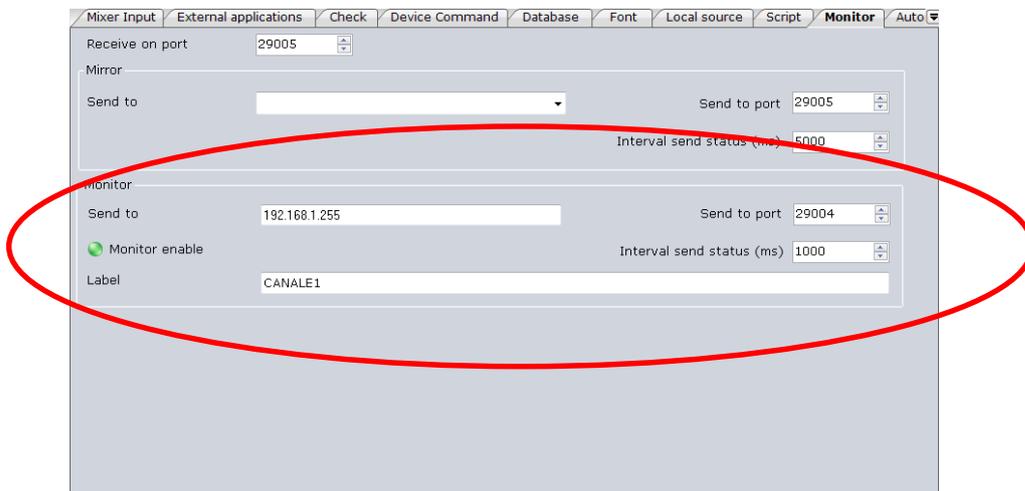
# Setting up the Monitor in software BitOnLive

In order to ensure that the **Monitor** receives the error messages from the **BitOnLive** applications is necessary to configure the send these messages in the applications:

- Flu-O Playout
- Download Manager
- Audiocasts
- etc

## Setup Monitor in Flu-O

Open the Playout Configuration, click Edit and select the Monitor Tab



**Enable Monitor:** Enables the sending of messages to the Monitor

**Send to:** IP address of the computer where you installed the Monitor

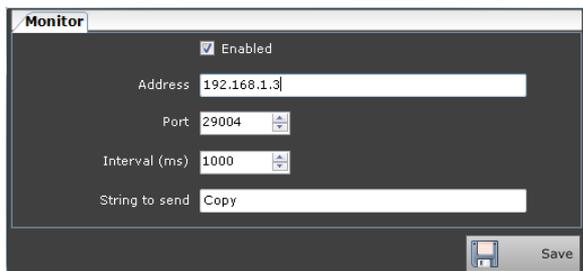
**Send Port:** Port for communication with the Monitor

**Interval send status:** Time in milliseconds of interval between a sending and the other

**Label:** Label name to send; corresponds to that set as reception on the Monitor

## Setup monitor in the Download Manager

Click Settings  to open a window to Monitor



**Enable Monitor:** Enables the sending of messages to the Monitor

**Address:** IP address of the computer where you installed the Monitor

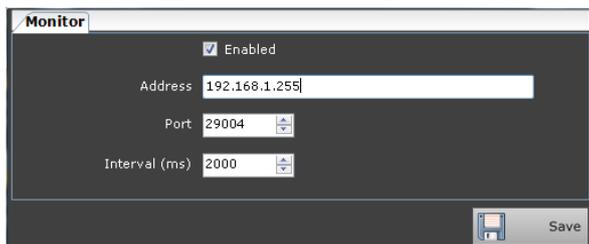
**Port:** Port for communication with the Monitor

**Range:** Time in milliseconds of interval between a sending and the other

**Label:** Name of the label to send; corresponds to that set as reception on the Monitor

## Setup Monitor in Audiocast

Click General Settings to open the Monitor Configuration General window



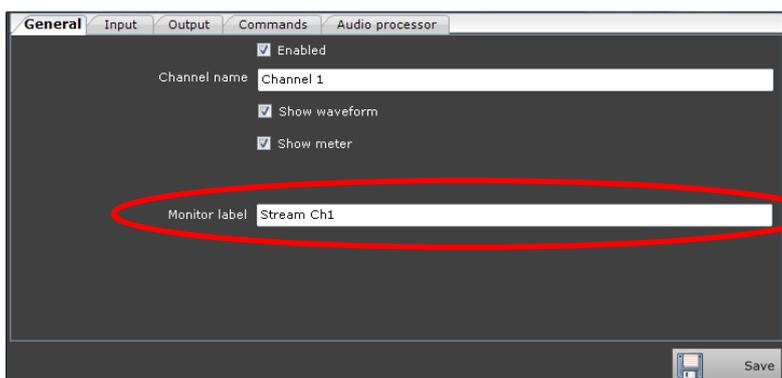
**Enable Monitor:** Enables or disables the sending of messages to the Monitor

**Send to:** IP address of the computer where you installed the Monitor

**Send Port:** Port for communication with the Monitor

**Posting interval of state:** Time in milliseconds of interval between a sending and the other

The **Audiocast** allows sending the differentiated labels for each channel configured in such a way as to monitor all channels separately. To set the label of each channel select the Setup icon 



**Monitor Label:** Name of the label to send; corresponds to that set as reception on the Monitor