

# Bandwidth limitation.

In the CMS, when a playlist, page, video or image is sent to a screen, the screen displaying the content has to download it. This download then consumes the bandwidth of the Internet connection of the room where the screen is located.

For a number of reasons, this bandwidth consumption can interfere with the operation of other devices using the network on the premises where your equipment is located (cash registers, credit card machines, office network, copiers, etc.).

In the CMS, it is possible to limit or prohibit bandwidth consumption when downloading media (images and videos hosted on the cms) within a user-defined time slot.



Beware screens will always consume bandwidth for all external web links (web zone, youtube zone, google docs, IPTV, RSS, widgets...).

**Bandwidth consumption ban:** images and videos will not be downloaded during the defined period.

**Limitation of bandwidth consumption:** a capped part (according to the user's choice) of the bandwidth will be allocated to downloading the media in the playlist. Downloading will take longer, but will allow other devices in the room to access the internet connection without interruption.

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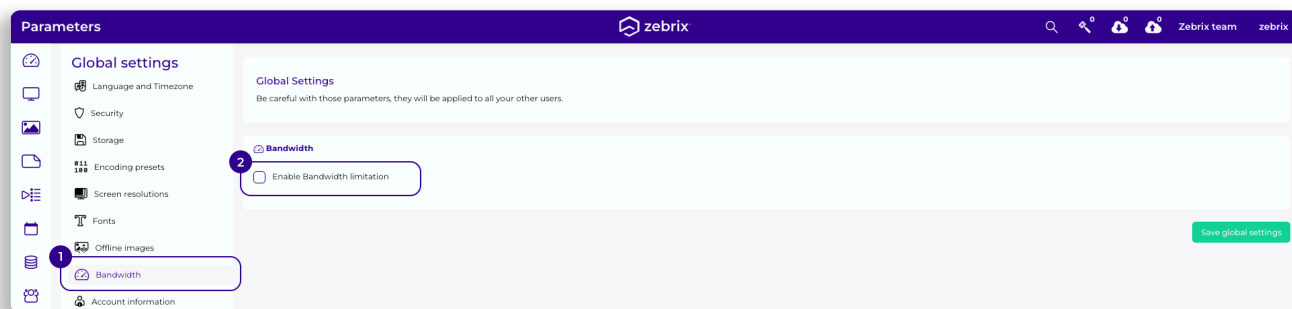
## Set a limit or ban for all my broadcasting equipment.

### Set up a bandwidth limit.

On the CMS, you can limit bandwidth or prohibit media downloads for all your screens.

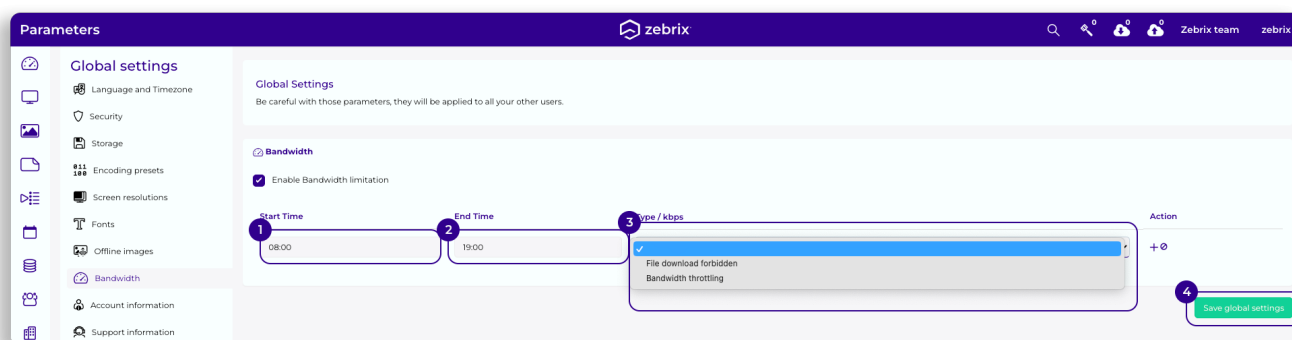
#### Settings:

In the CMS you must first select the settings tab and then click on Bandwidth Management.



Then click on “Enable bandwidth limiting” and then on “Save global settings”.

You need to choose the bandwidth limit (or ban) in the start (1) and end (2) inputs. The restriction will take effect during this time slot. It is also advisable to leave a fairly wide permission range during which your screens will be able to download the update content. You should, however, leave a fairly wide free time slot during which your screens will be able to download the media required for content updates.



In the drop-down menu (3), you can choose between banning downloads and limiting bandwidth.

**Ban on downloads** Once you have selected the bandwidth ban, click on the + button at the end of the line, then on Save global settings.

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**Bandwidth limitation** . After choosing bandwidth limitation in the drop-down menu, you will need to choose the bandwidth rate you are going to use in the new menu that has just appeared. Please note that for this to work correctly, the bandwidth chosen must be lower than the box rate.

**Bandwidth**

☒ Enable Bandwidth limitation

Start Time	End Time	Type / kbps	Action
08:00	18:00	Bandwidth throttling	+

256 kbps  
512 kbps  
768 kbps  
1024 kbps  
1280 kbps

Save global settings

Then click on the + button at the end of the line, and save the global settings.

You can also save several different time pages throughout the day.

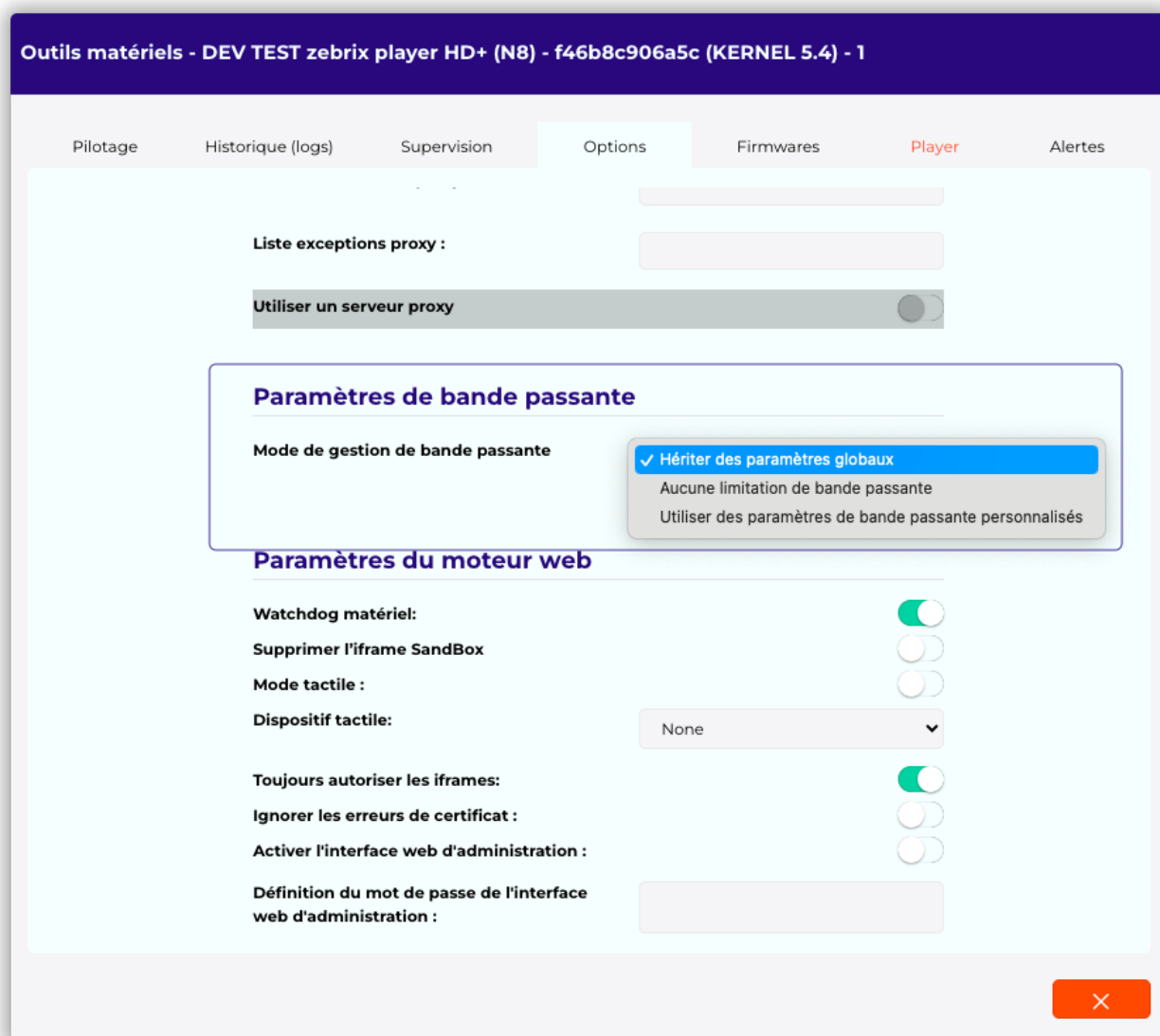
**\*\*Deleting a line** To delete a line, click on the basket at the end of the line. Then click Save global settings.

## Set a restriction or ban for one of my broadcast devices.

On one or a selection of screens, in the hardware tools tab, you can apply a bandwidth limit or ban for downloading media to the screen(s).

After selecting screens in the hardware tools, in the options tab.

## Set a limit or ban for all my broadcast equipment.



## Inherit global settings

The bandwidth management mode is set by default to “inherit global settings”, and applies by default the settings you would have entered in “settings>bandwidth management”.

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## No bandwidth limitation

Allows you to ignore the settings in “settings>bandwidth management”.

## Use bandwidth settings

Allows you to use the bandwidth limitation settings. Set the start and end times of the bandwidth

throttling period and then choose between no downloading and bandwidth throttling. Then choose the bandwidth allocated to the screen for downloading. Then click on the + button at the end of the line to add and press apply to activate the functionality. Then close the modal.

### Paramètres de bande passante

Mode de gestion de bande passante

Utiliser des paramètres de bande passante ▼

Heure de début	Heure de fin	Type / kbps	Actions
18:00	19:00	bandwidth 2048 kbps	

Départ

Fin

+ 0

Appliquer