



NEDconnect router console instructions

Welcome to NEDconnect. The following instructions will help you understand the administrative console and its various uses. The following table of contents will help you find the information you are looking for.

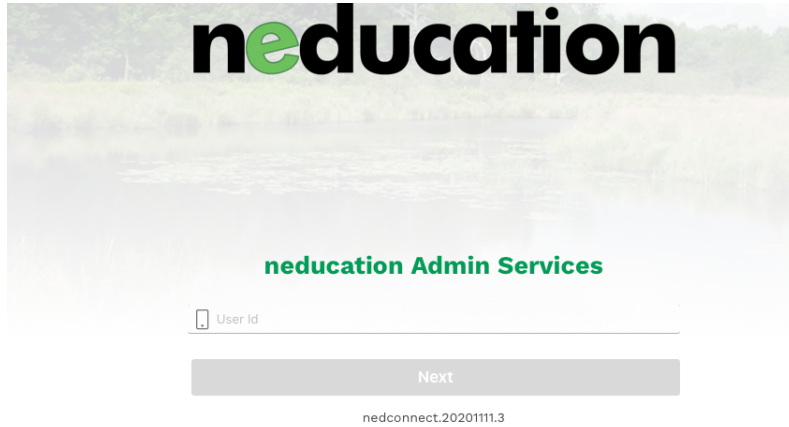
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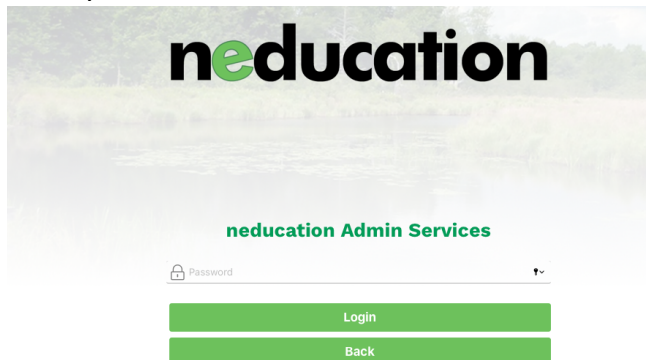
Log In process

To access your administrative console navigate to <https://admin.nedconnect.ca>

You will see the login screen:



Enter your user id and touch next

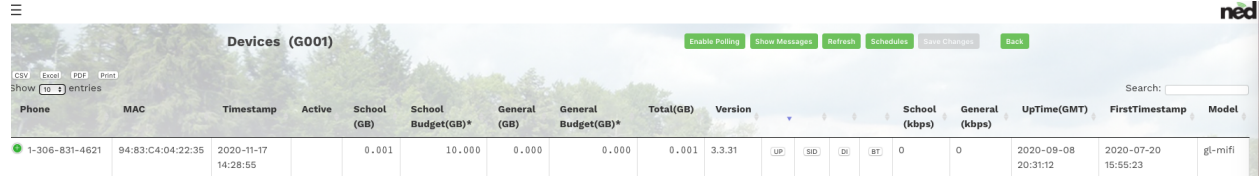


Enter your password and touch next

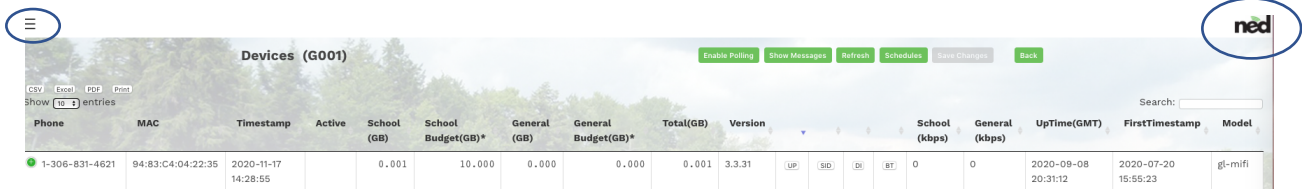


The Console

Once logged in you will see the console main screen:



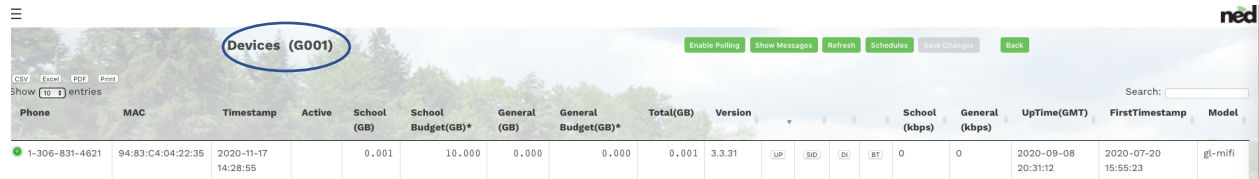
The three bar drop down menu at top left will allow you to return to the main console from anywhere, change your password and log out



Touching the ned logo at top right will return you to the main console from anywhere.

Group ID

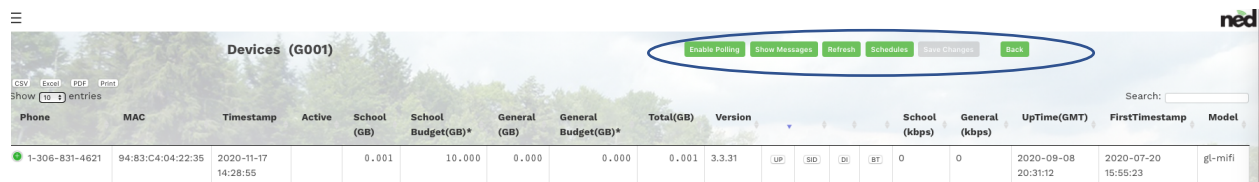
Your group ID is shown on the main console:



In this case, your group id is "G001"

Action Buttons

Action buttons on the console allow you to refresh the information, and access various user controllable features.





The green action buttons on the console start various sub-functions including:

1. Enable polling – this refreshes the information on the screen every 15 seconds
2. Show messages – this displays and allows you to edit the message associated with each individual unit on the particular unit’s splash screen
3. Refresh – this refreshes the information on the console on demand when polling is not enabled
4. Schedule – this allows you to set on/off schedules for individual devices SIDs (school or general) and also set a schedule for all devices in your pool.
5. Save changes – after making changes to setting on a device this will save the changes to the server.
6. Back – this takes you back 1 level when navigating the console system.

Export/Display functions

Phone	MAC	Timestamp	Active	School (GB)	School Budget(GB)*	General (GB)	General Budget(GB)*	Total(GB)	Version	School (kbps)	General (kbps)	UpTime(GMT)	FirstTimestamp	Model			
1-306-831-4621	94:83:C4:04:22:35	2020-11-17 14:28:55		0.001	10.000	0.000	0.000	0.001	3.3.31	UP	SD	BT	0	0	2020-09-08 20:31:12	2020-07-20 15:55:23	gt-mifi

These functions allow you to export the current list of devices to .csv, excel, .pdf or print them. The second line allows you to display a variable number of entries on the screen.

The search box allows you to search for specific devices. Enter any amount of information on a device (a portion of the MAC, all or part of the telephone number etc) and any device that has a pattern matching your search criteria will be displayed.

Information Columns

Phone	MAC	Timestamp	Active	School (GB)	School Budget(GB)*	General (GB)	General Budget(GB)*	Total(GB)	Version	School (kbps)	General (kbps)	UpTime(GMT)	FirstTimestamp	Model			
1-306-831-4621	94:83:C4:04:22:35	2020-11-17 14:28:55		0.001	10.000	0.000	0.000	0.001	3.3.31	UP	SD	BT	0	0	2020-09-08 20:31:12	2020-07-20 15:55:23	gt-mifi

The information displayed on the Console is organized into columns and can be sorted on any column. Columns with an asterisk contain variables that can be changed.

The Columns are:

1. Phone – the phone number associated with the sim installed in the router



2. MAC – the MAC address for the router
3. Timestamp – the last time that the router logged into the server
4. Active – when active and logged into the server the active column will display “60 | T”
5. School (GB) This is the total number of GB consumed by the router on the school SID this month
6. School Budget (GB) the total budget for the school SID for this month. As you can see, this can be changed at any time. When a router consumes its budget it slows the connect down to the “budget exceeded” speed set for your organization
7. General (GB) – this is the total number of GB consumed by the router on the general internet SID
8. General Budget (GB) – this is the total budget available for the general SID. Data purchased by the user carries over up to 2 following months
9. Total GB – this is the total data consumed by the router in the current month
10. Version – this is the software version running on the router
11. Up – this action button displays whether the software on the router is the most up to date. If an update is available for the router it will display “up”. Touching the button will begin a software update. Software can only be updated when the router is on-line.
12. SID – this allows you to change the password for a specific router
13. DI – this opens the data inspector for a router so that you can see a graphical representation of the usage for the unit.
14. BT – this sends a remote re-boot command to the specific unit – a useful tool when troubleshooting.
15. UpTime – this is the start time of the current session
16. FirstTimeStamp – this is the first time that the router reported to the server.

Changing the Budget

To change the available data for a particular unit, position your cursor in the School Budget field and click the mouse:

Phone	MAC	Timestamp	Active	School (GB)	School Budget(GB)*	General (GB)
1-306-831-4621	94:83:C4:04:22:35	2020-11-17 14:28:55		0.001	10	0.000
1-306-860-8693	94:83:C4:06:1C:74	2020-11-09 20:07:49		0.892	10.000	0.000
1-306-860-9719	94:83:C4:06:1B:0A	2020-09-17 13:37:36		0.000	10.000	0.000

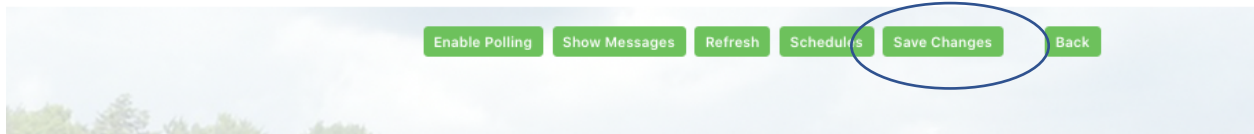


You can change the value in the field to any integer you wish.

Then – **VERY IMPORTANT** - hit <enter> to leave the field!
If you don't hit enter the value you enter will NOT be changed

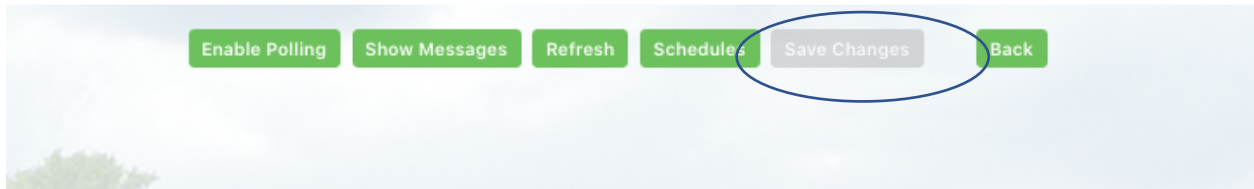
Then

You **MUST** save changes to complete the edit:



Note that the “save changes” button is no longer gray. That means that changes have been made that need to be saved.

Once you click on the “save changes” button the button will be grayed and the edit is complete:



You can change any number of parameters in any number of devices and save all of them at once but unless you save them they will be lost.

This data entry process is consistent throughout the NEDconnect admin console.

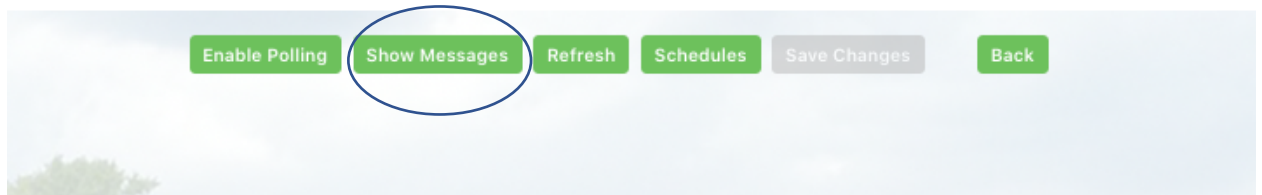


Messaging

You can set a message for a specific device to be displayed on the splash screen when a user logs onto either SID on the router. Once set, the message will be downloaded to the router on the next “heartbeat” (when the router checks in with the server every 10 minutes) and remain in place until changed.

To set a message:

1. Select “show messages”



You will see a new column open on the console:

A screenshot of a table with a light blue background. At the top, there are buttons for 'CSV', 'Excel', 'PDF', and 'Print'. Below them is a 'Show' dropdown menu set to '10' entries. The table has the following columns: Phone, MAC, Timestamp, Active, Message*, School (GB), and School Budget(GB)*. The 'Message*' column is circled in blue. The table contains three rows of data.

Phone	MAC	Timestamp	Active	Message*	School (GB)	School Budget(GB)*
1-306-831-4621	94:83:C4:04:22:35	2020-11-17 14:28:55			0.001	10.000
1-306-860-8693	94:83:C4:06:1C:74	2020-11-09 20:07:49			0.892	10.000
1-306-860-9719	94:83:C4:06:1B:0A	2020-09-17 13:37:36			0.000	10.000

2. Place your cursor in the “message” column of the device you wish to set and click the mouse:

A screenshot of the same table as above, but with a text input field in the 'Message*' column of the first row. The input field is highlighted with a blue border and is circled in blue. The table contains three rows of data.

Phone	MAC	Timestamp	Active	Message*	School (GB)	School Budget(GB)*
1-306-831-4621	94:83:C4:04:22:35	2020-11-17 14:28:55		<input type="text"/>	0.001	10.000
1-306-860-8693	94:83:C4:06:1C:74	2020-11-09 20:07:49			0.892	10.000



3. Enter Your message
=

The screenshot shows a web interface titled "Devices (G001)". At the top, there are buttons for "CSV", "Excel", "PDF", and "Print". Below these is a "Show 10 entries" dropdown menu. The main content is a table with the following columns: "Phone", "MAC", "Timestamp", "Active", "Message*", "School (GB)", and "S B". The "Message*" column is circled in blue. The first row of data contains: Phone: 1-306-831-4621, MAC: 94:83:C4:04:22:35, Timestamp: 2020-11-17 14:28:55, Active: (empty), Message*: Remember that all assignments must be in by Thursday, School (GB): 0.001, and S B: (empty).

Phone	MAC	Timestamp	Active	Message*	School (GB)	S B
1-306-831-4621	94:83:C4:04:22:35	2020-11-17 14:28:55		Remember that all assignments must be in by Thursday	0.001	

Don't forget to hit <enter>!

4. Then hit the "save changes button"
5. The message can be deleted by going back to the router, selecting "display messages", and then deleting the message and saving the change.



Setting Schedules

NEDconnect supports setting on and off times for the wifi channels (SID) for either the entire group of devices you have or for individual devices.

The scheduling logic requires a separate command to start an SID and a separate command to stop and SID.

The variables are:

1. Wifi State
2. Applicable device (MAC or Group)
3. Time of configuration

You have 4 configuration choices:

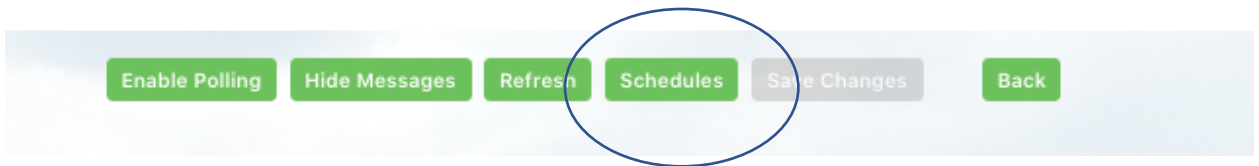
1. All Wifi On
2. All Wifi Off
3. Wifi School Only
4. Wifi General Only

So for any scheduling plan you will need to know:

1. **What** do you want to happen?
2. **Who** does this apply too? (single device or the group)
3. **When** do you want it to happen?

Let's plan to stop the school wifi at 8 pm every night and start it at 8 am every morning

1. Select the "Schedules" button



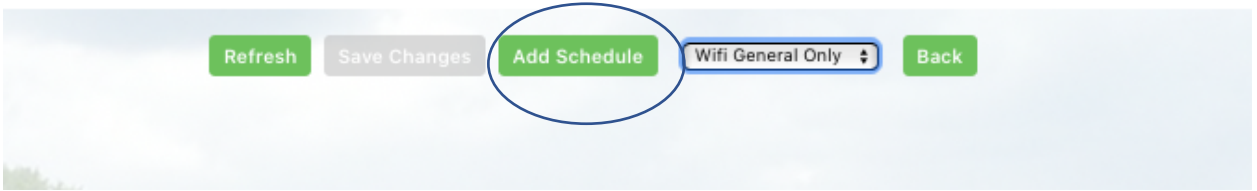
You will then see the scheduling page

Timestamp	Mac*	GroupId*	Config*	TimeofDay*	Actions
2020-11-20 06:03:36	94:83:C4:04:22:2F		wifi.SchoolOnly	06:13	Delete Config
2020-11-18 22:46:56			CONFIG	00:00	Delete Config
2020-11-12 21:53:41			CONFIG	00:00	Delete Config

Showing 1 to 3 of 3 entries



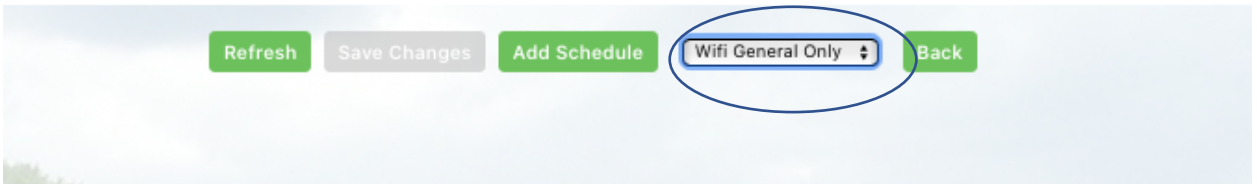
2. Then select “Add Schedule”



A new schedule line will appear in the console for you to edit with the configuration information you wish

Timestamp	Mac*	Groupid*	Config*	TimeofDay*	Actions
2020-11-21 18:51:08			CONFIG	00:00	Delete Config
2020-11-20 06:03:36	94:83:C4:04:22:2F		wifi.SchoolOnly	06:13	Delete Config

3. Select the action you wish occur from the drop down menu



4. Then on the new schedule line select the “config” button

Timestamp	Mac*	Groupid*	Config*	TimeofDay*	Actions
2020-11-21 18:51:08			CONFIG	00:00	Delete Config
2020-11-20 06:03:36	94:83:C4:04:22:2F		wifi.SchoolOnly	06:13	Delete Config

This will set the action in the config column

Timestamp	Mac*	Groupid*	Config*	TimeofDay*	Actions
2020-11-21 18:51:08			wifi.GeneralOnly	00:00	Delete Config

5. Now set the time of day you wish this occur – since we are setting the router to “general wifi only” the school side will be shut off. So the time of day should be 8 pm when the router will only have the general wifi SID available.

Enter the time in 24 hour clock format

Timestamp	Mac*	Groupid*	Config*	TimeofDay*
020-11-21 18:51:08			wifi.GeneralOnly	20:00



The router is now set to go into “General only” mode at 20:00 hrs (8 PM) every night

6. Set the group ID so that all routers in the group will go into “general only” mode at that time. To do so, place the cursor in the “Group ID” field and click the mouse. Then enter the group id “ G001”

Timestamp	Mac*	Groupid*	Config*	TimeOfDay*
20-11-21 18:51:08		G001	wifi.GeneralOnly	20:00

Remember to hit <enter> after make a change in the column!

7. SELECT SAVE CHANGES FROM THE ACTION BUTTON LIST



All devices in your group will now show only the “general” SID as of 8 PM every night.

You now need to turn the school back on in the morning.

1. Add Schedule
2. Change the drop down to “wifi all on”
3. Select “config” to change the parameter
4. Position the cursor in the “Groupid” column and click the mouse to select
5. Enter your Group ID
6. Hit <enter>
7. Position your cursor in the “TimeOfDay” field and click the mouse to select
8. Enter the time for the change to take place (08:00)
9. Hit <enter>
10. Select “Save Changes” to lock in the new schedule.

Timestamp	Mac*	Groupid*	Config*	TimeOfDay*	Actions
2020-11-21 18:51:08		G001	wifi.AllOn	08:00	Delete Config

The schedule is now all set for all routers in your group.

You can set a specific device using the MAC address. In this case DO NOT ENTER THE GROUP ID.



You can delete a scheduled event by selecting “delete from the Action column.

Timestamp	Mac*	GroupID*	Config*	TimeOfDay*	Action
2020-11-21 18:51:08		G001	wifi.AllOn	08:00	Delete Config