



emea

iCall Software Configuration Manual IP-DIN V2.0



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Intended use

Use this product only for the purpose it was designed for; refer to the data sheet and user documentation for details. For the latest product information, contact IndigoCare Europe. This software configuration guide is a working and supporting tool for certified engineers for installing and maintaining iCall installations.

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Revision history

| Date | Revision | Description |
|-------------------|-----------------|---|
| 2019-04-30 | 1.0 | First version |
| 2019-05-13 | 1.1 | Add reset fuse feature |
| 2021-02-26 | 1.2 | Adding some extra explanation on the “*” function |

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1. Installation

A maximum of 50 local bus units are attached to each IP unit. The units are connected using a four-wired cable. The bus is connected to the four-pin connector on the back of the units. The connections from left to right: 24V – GND – TX – RX.

Further installation items can be found in the “Hardware installation manual”

2. Configuration

The standard IP address of the IP units is 1.1.1.1. Prior to connecting each module to the network, the IP address must be changed to the network environment, otherwise a conflict will occur on the network.

3. Programming

The system is programmed via the website of the IP units. Every unit must be programmed separately. To access the website, enter the IP address of the unit in the address bar of the browser. The default user name and password are both “web”. The use of the iMaster software will give an overview of the iCall network.

The manual is applicable to the following part numbers:

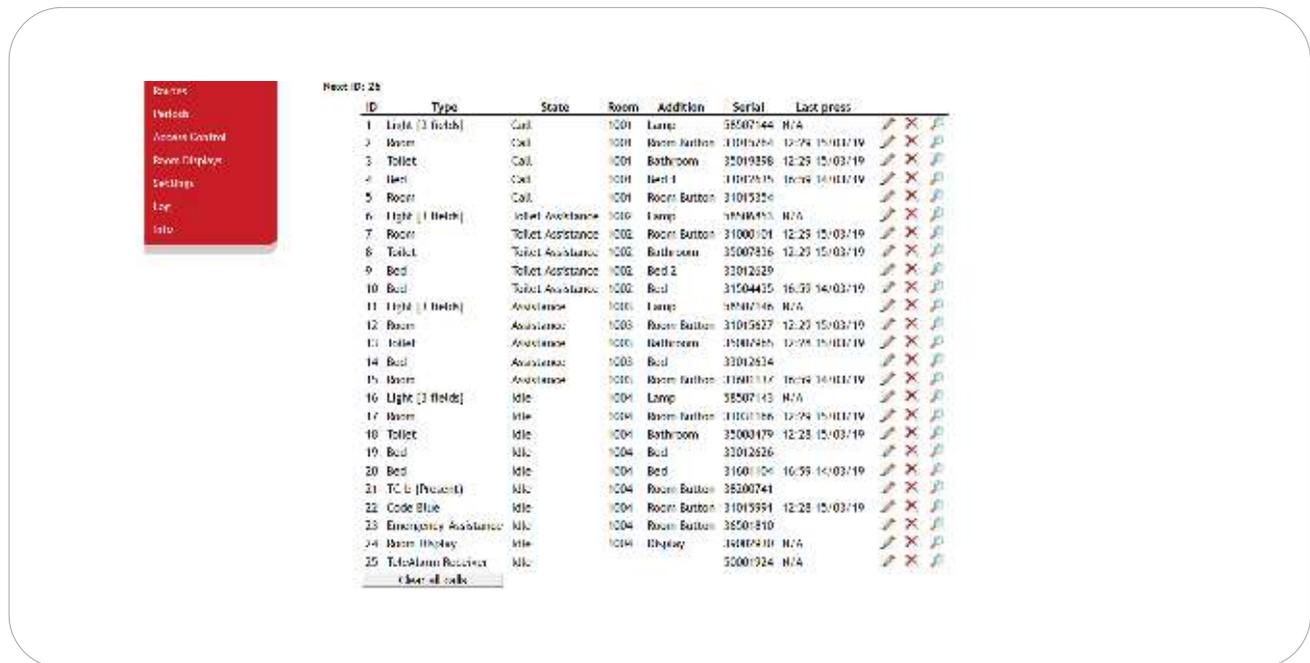
| <u>Part nr:</u> | <u>Name:</u> |
|-----------------|-------------------------|
| NWAAES0160 | iCall 100 IP-DIN (EMEA) |



Software version 2.0 from April 30, 2019.

This version is only to be used on a Model B or Model B1 hardware.

4. Addresses



The screenshot displays a configuration window for call stations. On the left, a red sidebar contains menu items: 'Buttons', 'Visuals', 'Assess Control', 'Room Display', 'Settings', 'Log', and 'Info'. The main area shows a table of call stations with the following columns: ID, Type, State, Room, Addition, Serial, and Last press. A 'Next ID: 26' label is at the top left of the table. At the bottom of the table is a 'clear all calls' button.

| ID | Type | State | Room | Addition | Serial | Last press |
|----|----------------------|--------------------|------|-------------|----------|----------------|
| 1 | Light [3 fields] | Call | 001 | Lamp | 3550744 | N/A |
| 2 | Room | Call | 001 | Room Button | 11015284 | 12-28 15:03:19 |
| 3 | Toilet | Call | 001 | Bathroom | 35019358 | 12-28 15:03:19 |
| 4 | Bed | Call | 001 | Bed 1 | 11015284 | 12-28 15:03:19 |
| 5 | Room | Call | 001 | Room Button | 31015258 | |
| 6 | Light [1 field] | Initial Assistance | 001 | Lamp | 11015284 | N/A |
| 7 | Room | Toilet Assistance | 002 | Room Button | 31000101 | 12-28 15:03:19 |
| 8 | Toilet | Toilet Assistance | 002 | Bathroom | 35007816 | 12-28 15:03:19 |
| 9 | Bed | Toilet Assistance | 002 | Bed 2 | 32012629 | |
| 10 | Bed | Toilet Assistance | 002 | Bed | 31504425 | 16-09 14:03:19 |
| 11 | Light [1 field] | Assistance | 002 | Lamp | 11015284 | N/A |
| 12 | Room | Assistance | 003 | Room Button | 31015227 | 12-28 15:03:19 |
| 13 | Toilet | Assistance | 003 | Bathroom | 15015284 | 12-28 15:03:19 |
| 14 | Bed | Assistance | 003 | Bed | 31012624 | |
| 15 | Room | Assistance | 003 | Room Button | 11015284 | 12-28 15:03:19 |
| 16 | Light [3 fields] | Idle | 004 | Lamp | 3550743 | N/A |
| 17 | Room | Idle | 004 | Room Button | 11015284 | 12-28 15:03:19 |
| 18 | Toilet | Idle | 004 | Bathroom | 3500179 | 12-28 15:03:19 |
| 19 | Bed | N/A | 004 | Bed | 32012626 | |
| 20 | Bed | Idle | 004 | Bed | 3100104 | 16-09 15:03:19 |
| 21 | T.C. (Present) | N/A | 004 | Room Button | 35200741 | |
| 22 | Code Blue | Idle | 004 | Room Button | 31015351 | 12-28 15:03:19 |
| 23 | Emergency Assistance | N/A | 004 | Room Button | 35501810 | |
| 24 | Room Display | Idle | 004 | Display | 14007910 | N/A |
| 25 | Telephone Receiver | N/A | | | 50007324 | N/A |

ID: This is the ID of the call stations. This ID can be a value between 0 and 50. ID 0 is always reserved for the Master, in this case the iCall 290 SIP-Touch. LocalBus stations can therefore have an address of 1 up to and including 50.

TIP: The list can be sorted per header by pressing the header name on top of the column.

TIP: The next ID can be changed by pressing the “Next ID:” field.

4.1. Local bus units

Addresses are added automatically when a local bus unit is registered by pressing the registration button. The address registration setting must be activated before the registration can start.



The room number and the addition are entered manually. To edit, click the  icon. To delete this address, click the  icon. Clicking the search icon () will activate a flashing LED on the corresponding local bus unit and cause an extra search icon to appear on the website (.

“Clear all Calls”:

The use of this button is for the installation team, the action on this button will set all call stations back to idle.

! The “Clear all Calls” function is not allowed to be used in a live system !

Important: The data displayed on the website is gathered at the moment it is requested. Therefore, this data (status or search) may not be up-to-date. To obtain up-to-date information, click Refresh.

The central registration button has more functions than just registration. The three main functions are: registration, search and software reset.

| Action | Reaction | Explanation |
|--|---|--|
| Press registration button for 1 sec. | The registration led flashes briefly. The unit is added on the website address page | Local bus unit is registered on the IP unit and ready for programming |
| Press and hold registration button for 5 sec. | The registration led flashes and an additional icon appears on the line of the related local bus unit on the website address page | Tool for finding a specific local bus unit in the list of programmed local bus call stations |
| Press and hold registration button for 12 sec. | Local bus unit makes one long beep, the red dome light indicator goes on. | Reset of the software of the local bus unit, all preprogrammed settings and the local bus address remain unchanged |

4.2. Local bus stations

The screenshot shows a web interface for editing a bus station address. On the left is a red sidebar menu with options: Address, Room, Room ID, Address, Address, Room ID, Settings, Log, and Help. The main content area is titled 'Edit address 2' and contains the following fields: 'Room:' with a text input containing '1001', 'Type:' with a dropdown menu showing 'RoomID', and 'Address:' with a text input containing 'Room Button'. A 'Save' button is located below these fields.

- Room:** Room number, up to 5 alphanumeric characters can be entered.
- Type:** Select here the type of button connected to the bus on this address.
The system will automatically suggest a button type based on the serial number.

| Type | Description | Part # |
|-------------------------|---|--------------------------|
| Bed | The button will be assigned as a bed call station, especially for call cord buttons | |
| Toilet | In this case the activation of the button will raise a toilet call | |
| Room + ID | The call button and present function by using ibutton identification | NWBAES2200 NWBAES2225 |
| Emergency | In this case the activation of the button will raise an emergency call | NWBAES2600 |
| IO | Old IO station from before January 2015 | Not available |
| Light [3 fields] | Dome light with 3 light fields (red, yellow, green) or (red, white, green) | NWBAES3850 NWBAES3851 |
| Emergency-Assistance | Special button offering yellow and blue function. Yellow = staff assist Blue = emergency | NWBAES2650 |
| TeleAlarm receiver | Receiver for Telealarm wireless call points | NWBAES4900 |
| Room Display | Mini display for use in patient room, will indicate calls on the moment the nurse is present | NWBAES2800 |
| IO (V2) | IO station, can connect up to 5 inputs and 4 outputs | NWBAES3900 |
| WZ Receiver | Old receiver from before December 2014 | Not available |
| Cancel Toilet | Special pull string button to cancel Toilet call, no present function possible | NWBAES2170 |
| Acoustic | Call point that raise alarm based on acoustic thresholds (Q3-2019) | |
| RFID (Present) | RFID reader for present activation, this for nurse identification. Button function can be programed. | NWBAES2900 NWBAES2901 |
| RFID (AccessControl) | RFID reader for access control, this button will use the RFID information to give access to a room or not | NWBAES2903 |
| iButton (AccessControl) | iButton reader for access control, this button will use the iButton information to give access to a room or not | NWBAES2230 |
| Light [5 fields] | Dome light with 5 light fields (red, yellow, green, white and blue), available Q3-2019 | |
| Code Blue | In this case the activation of the button will raise a Code Blue call | NWBAES2700 |
| Extended light | Dome light with 3 light and additional output for 2 extra lights, available Q3-2019 | |

| | | |
|----------------|---|------------|
| Present Toilet | Special pull string button to cancel Toilet call, by using first the present mode | NWBAES2180 |
|----------------|---|------------|

Addition: Any additional information up to 15 characters can be entered. The information in this field can be transported through the system, no system operation is influenced by this data.

TIP:

For a dome light the "*" function can be used to allocate more beds (rooms) to the same dome light.

Example:

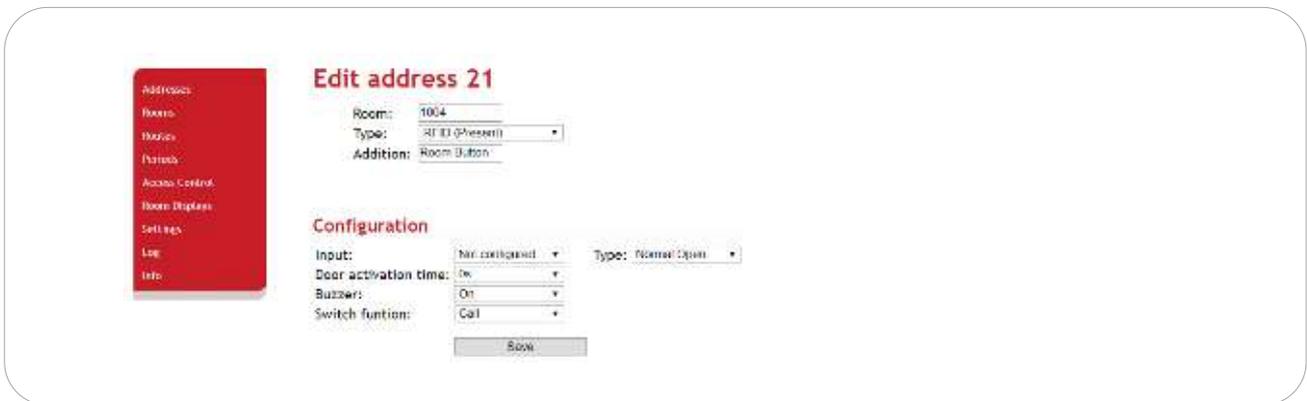
Bed 1 = room number : 100A
 Bed 2 = room number : 100B
 Dome light = room number : 100*

Using the "*" mark it's possible to connect multiple rooms to one dome light or to cancel multiple rooms with one button. The "*" mark may only be used on LB-KLIO units and LB-A units. Preferred is that the entire room including the localbus buttons with the "*" are programmed on the same IP-unit.

When using the "*" mark on a present unit in the room no other button in that room may have the present function. The Present with the "*" mark is the only unit allowed to set present & away.

When using the "*" mark on the LB-KLIO unit it's not possible to connect any standard switching material to the inputs & outputs.

4.3. RFID Station



Input:

| | |
|----------------|---|
| Not Configured | Input is not used |
| Input 1 | The activation of this input will send a message to the Netrix server |

Type:

Select the type of input contact, normal open or normal close connection

Door activation time:

Time that the output will be active to open the door lock, programmable from 0 to 10 sec.

Buzzer:

Select if the buzzer must be ON or OFF

Switch function:

The front activation button can be used for:

- Call function
- Off (disabled)

4.4. IO Station V1.7

Edit address 26

Room: 1004
 Type: IO IV2
 Addition: IO station

Configuration

| | | | | |
|----------|----------------|-------------------|---------|--|
| Input 1: | Not Configured | Type: Normal Open | Name 1: | |
| Input 2: | Not Configured | Type: Normal Open | Name 2: | |
| Input 3: | Not Configured | Type: Normal Open | Name 3: | |
| Input 4: | Not Configured | Type: Normal Open | Name 4: | |
| Input 5: | Not Configured | Type: Normal Open | Name 5: | |

Output 1: Not Configured
 Output 2: Not Configured
 Output 3: Not Configured
 Output 4: Not Configured

Save

Input 1-5:

| | |
|----------------|---|
| Not Configured | Input is not used |
| Emergency | The activation of the input will raise an emergency call |
| Assistance | The activation of this type of input will raise staff assist |
| Toilet | The activation of this type of input will raise a toilet call |
| Call | The activation of this type of input will raise a normal call or when present is active an staff assist |
| Present | The activation of this type of input will activate present or away |
| Input #1 | The activation of this input will send a message to the Netrix server, using the name tag "Name1". If name tag is empty "Input 1" will be used. |
| Input #2 | The activation of this input will send a message to the Netrix server, using the name tag "Name2". If name tag is empty "Input 2" will be used. |
| Input #3 | The activation of this input will send a message to the Netrix server, using the name tag "Name3". If name tag is empty "Input 3" will be used. |
| Input #4 | The activation of this input will send a message to the Netrix server, using the name tag "Name4". If name tag is empty "Input 4" will be used. |
| Input #5 | The activation of this input will send a message to the Netrix server, using the name tag "Name5". If name tag is empty "Input " will be used. |
| Code Blue | The activation of the input will raise a code blue call |

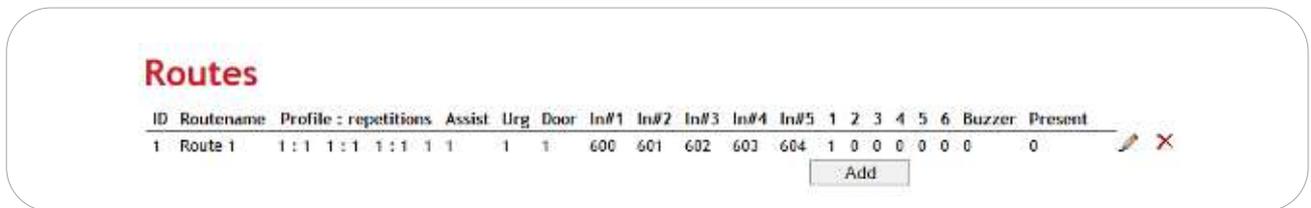
Type: Select activation action, normal open or normal closed contact

Name 1-5: Text message in MSG 1 will be send to the Netrix server when the Input# 1-5 is used.

Output 1-4:

| | |
|----------------|--|
| Not Configured | Output is not used |
| Toilet | Output is used for toilet indicator (white or yellow) |
| Call | Output is used for call indicator (red) |
| Present | Output is used for present indicator (green) |
| Output #1 | This output can be activated direct from the Netrix server |
| Output #2 | This output can be activated direct from the Netrix server |
| Output #3 | This output can be activated direct from the Netrix server |
| Output #4 | This output can be activated direct from the Netrix server |
| Buzzer | Output that can be used for a buzzer activation |
| Code Blue | Output is used for code blue indicator (blue) |

Input#(1-5) are used to connect external inputs events to the iCall system. There are 5 distinctive inputs to be chosen from, each with a unique group to trigger in the Netrix server. For example, when Input 1 is configured as **Input#1** and **Normal Open**, a message will be send to the Netrix server and activate the group assigned in the routing table under In#1 when Input 1 goes high. When the Input returns to low and depending on the setting of "IO Netrix 0/1" in the advance settings page, another message will be send to the Netrix server.



The message has following parameters:

| | |
|------|------------------------------|
| MSG1 | Type (or LABEL) |
| MSG2 | Addition |
| MSG3 | 0 = not active 1 = active |
| MSG4 | Name |
| MSG5 | Room number |
| MSG6 | Location |

Outputs#(1-4) are used to connect external outputs to the iCall system. There are 4 distinctive outputs to choose from, which can be activated/deactivated using the Netrix.

To activate/deactivate all output#1 outputs of a specific room, an IP message with correct IP address, room number and type number must be send.

Type numbers for outputs:

| | | |
|-----|----------|-----|
| 710 | Output#1 | OFF |
| 711 | Output#1 | ON |
| 720 | Output#2 | OFF |
| 721 | Output#2 | ON |
| 730 | Output#3 | OFF |
| 731 | Output#3 | ON |
| 740 | Output#4 | OFF |
| 741 | Output#4 | ON |

4.5. Acoustic Station

Edit address 26

Room: 1004
Type: Acoustic
Addition: IC station

Configuration

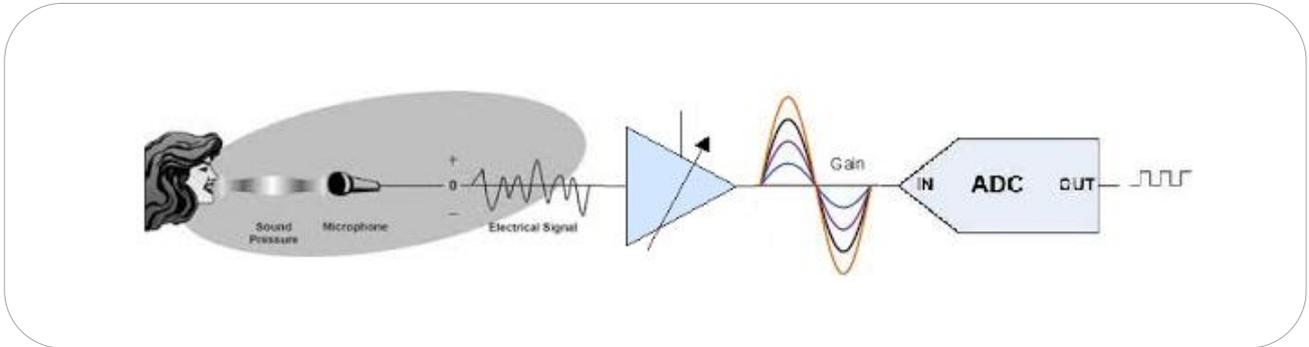
Enabled:
Disable yellow LED:
Sensitivity: Low
Duration: 100 ms
Timeout (s): 0
Start: 00:00
End: 00:00
Monday:
Tuesday:
Wednesday:
Thursday:
Friday:
Saturday:
Sunday:
Save

| | |
|---------------------|--|
| Enable: | Enable or disable the acoustic station. |
| Disable yellow LED: | The yellow LED is an indication the audio input is detected and higher than the sensitivity setting. This setting will deactivate the yellow LED indication |
| Sensitivity: | Select the sensitivity from the microphone in de Acoustic station Selection out of : Low / LowMedium / Medium / MediumHigh / High |
| Duration: | The duration before the alarm will be triggered |
| Timeout: | Timeout before system is active, after the room went to idle. (Time the nurse needs to leave the room) |
| Start: | Time of the day the unit will be activated |
| End: | Time of the day the unit will be disabled. |
| Monday-Sunday: | Which day of the week the acoustic unit will work. |

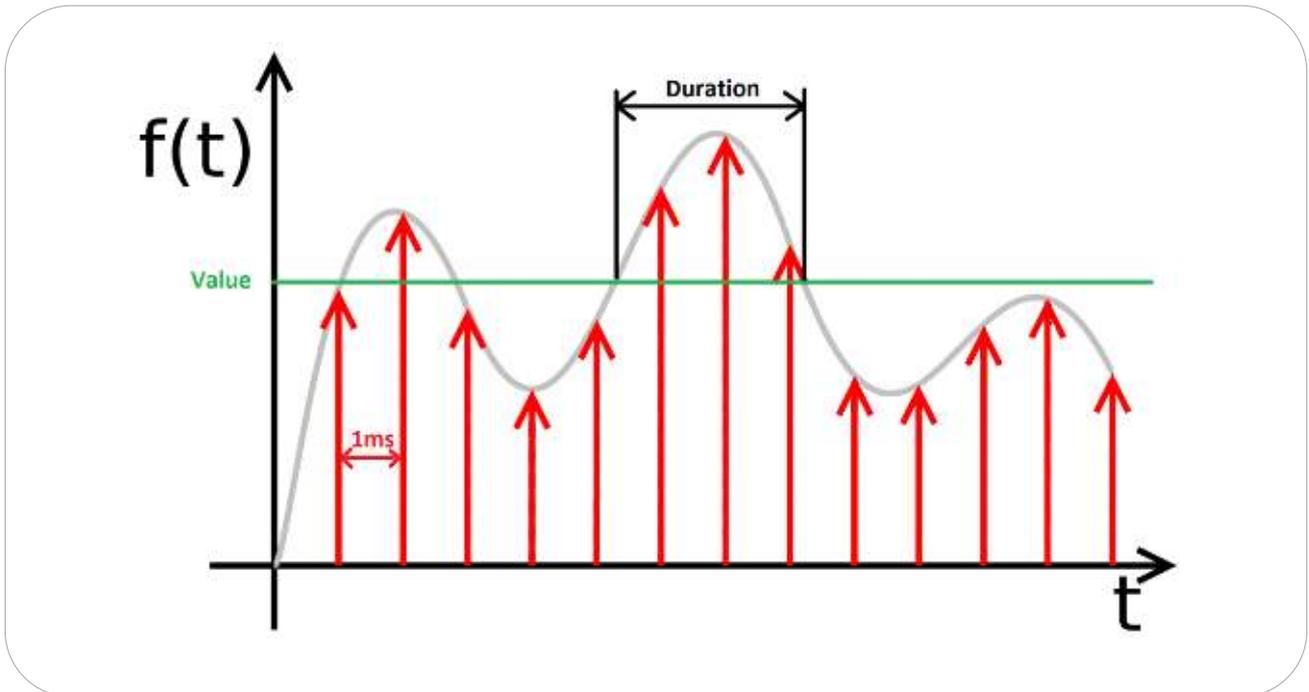
TIP: Enable, Sensitivity, Duration, Start, End and days of the week can be changed from the nurse station.

Measurement technique

A microphone is picking-up the sound in the environment. This signal is been amplified, filtered and sampled by a microcontroller. In the software of the microcontroller this processed signal is then analyzed and compared to a predefined set of conditions in order to evaluate if an acoustic call needs to be triggered.



Below graphic displays an example of such a signal entering the microcontroller together with some evaluation parameters set by the configuration.



4.6. Light [5 fields]

Input 1-2: Assign the type of function on the input

| | |
|----------------|--|
| Not Configured | Input is not used |
| Code Blue | The activation of this type of input will raise a Code Blue call |
| Emergency | The activation of the input will raise an emergency call |
| Assistance | The activation of this type of input will raise staff assist |
| Toilet | The activation of this type of input will raise a toilet call |
| Call | The activation of this type of input will raise a normal call or when present is active a staff assist |
| Present | The activation of this type of input will activate present or away |
| Input #1 | The activation of this input will send a message to the Netrix server |
| Input #2 | The activation of this input will send a message to the Netrix server |
| Input #3 | The activation of this input will send a message to the Netrix server |
| Input #4 | The activation of this input will send a message to the Netrix server |
| Input #5 | The activation of this input will send a message to the Netrix server |

Delay: Activation delay time before the type of call is activated. (0,2 sec. – 3 sec.)

Type: Normal open or normal closed input

Output 1-2: Assign the function on the output

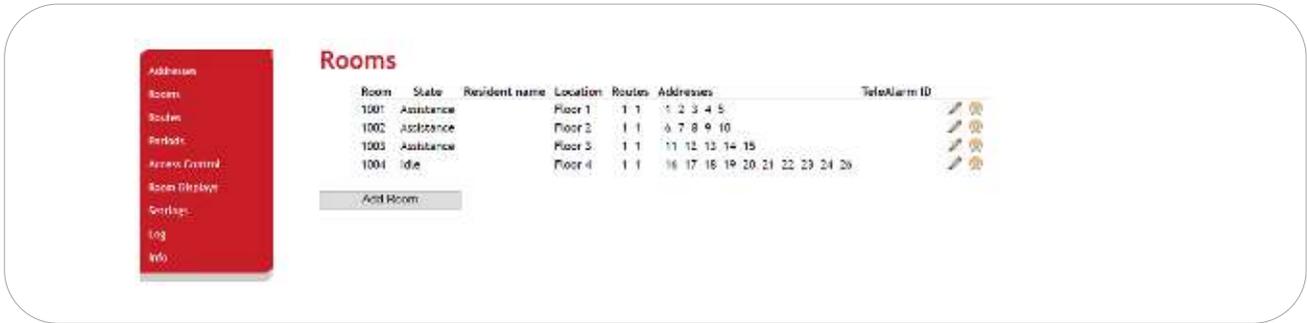
| | |
|----------------|--|
| Not Configured | Output is not used |
| Code Blue | Output is used for code blue indicator (blue) |
| Toilet | Output is used for toilet indicator (white or yellow) |
| Call | Output is used for call indicator (red) |
| Present | Output is used for present indicator (green) |
| Output #1 | This output can be activated direct from the Netrix server |
| Output #2 | This output can be activated direct from the Netrix server |
| Output #3 | This output can be activated direct from the Netrix server |
| Output #4 | This output can be activated direct from the Netrix server |
| Buzzer | Output that can be used for a buzzer activation |

Led: Assign the intensity of the front LED's on the dome light (High, Medium, Low)

Buzzer Level: Assign the volume from the buzzer, selections are OFF, LOW, MEDIUM or HIGH.

5. Rooms

The list of rooms is automatically updated when a room number is added to the address list.



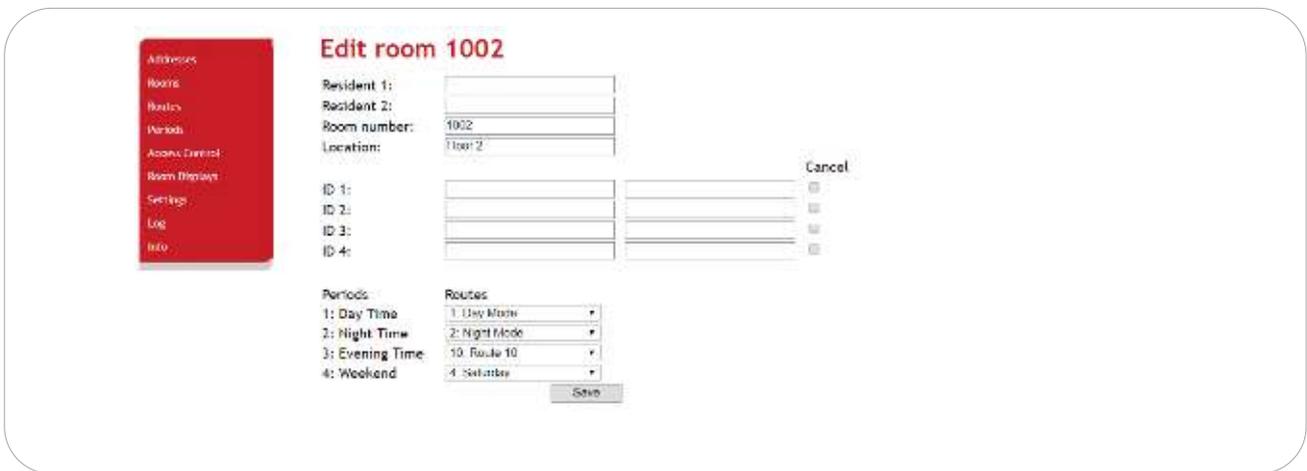
this icon will activate the automatic learn function for the wireless call stations.

this icon indicates that automatic learn function is active, by activating the icon the automatic learn function will be disabled.

If the automatic learn function is active a call action on the wireless call station will result in adding the ID from this wireless call station to the room. A maximum of 4 wireless call stations can be added to a room.

Add Room:

To add a new room where no wired buttons are available. If for example the system is mainly used in wireless environments, the call stations are connected to virtual rooms. A maximum of 50 virtual rooms can be assigned per IP-DIN module.



Resident 1 or 2: Name or names of the residents in the room.

Location: Location of the room.

Room: The number of the room. Max 5 alphanumeric characters

ID 1-4: Assign the ID of the wireless transmitter related to this room, and the addition for this transmitter. A maximum of 4 transmitters can be assigned per room.

Cancel: Activating this function will result in a direct cancel of the call if the cancel command is sent out by the transmitter. (example: magnetic cancel on the wireless call station)

If this function is active, no present mode is possible.

Routes: The call routes that are followed during a particular period.

TIP: The room number and the location are the most important parameters. Especially if you need to make different departments on the nurse station. The nurse station can show calls per different department.

6. Routes

Routes indicate the group or profile on the Netrix to which the calls will be send. For each type of call a different group or profile can be configured. The call is sent X (repetition) times to this group or profile before proceeding to the following group or profile. An indicative name can be assigned to each route. This name is only used as a label. The repetition time can be programmed in the setting section. A maximum of 20 routes can be assigned.

To edit, click the  icon.

To delete this route, click the  icon.

Press add button to create a new route

Addresses

Rooms

Routes

Access Control

Room Displays

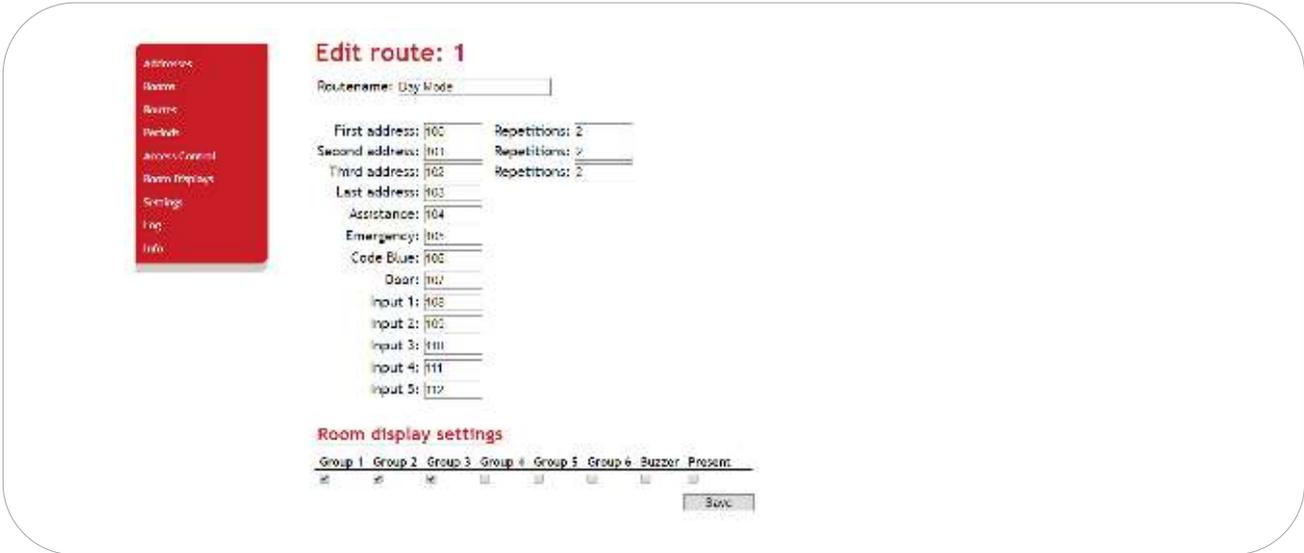
Settings

Log

Info

Routes

| ID | RouteName | Profile : repetitions | Assistance | Code Blue | Emergency | Door | IP1 | IP2 | IP3 | IP4 | IP5 | 1 | 2 | 3 | 4 | 5 | 6 | buzzer | Present |
|----|--------------|-------------------------|------------|-----------|-----------|------|-----|-----|-----|-----|-----|---|---|---|---|---|---|--------|---------|
| 1 | Day Mode | 100 : 2 100 : 2 100 : 2 | 104 | 105 | 105 | 107 | 108 | 109 | 110 | 111 | 112 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Night Mode | 200 : 2 200 : 2 200 : 2 | 204 | 205 | 205 | 207 | 208 | 209 | 210 | 211 | 212 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Evening Mode | 300 : 1 300 : 2 300 : 1 | 304 | 305 | 305 | 307 | 308 | 309 | 310 | 311 | 312 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 4 | Saturday | 400 : 1 400 : 2 400 : 1 | 404 | 405 | 405 | 407 | 408 | 409 | 410 | 411 | 412 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 5 | Sunday | 500 : 1 500 : 2 500 : 1 | 504 | 505 | 505 | 507 | 508 | 509 | 510 | 511 | 512 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Holiday | 600 : 2 600 : 2 600 : 2 | 604 | 605 | 605 | 607 | 608 | 609 | 610 | 611 | 612 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 7 | Route 7 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Route 8 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Route 9 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Route 10 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | Route 11 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Route 12 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Route 13 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Route 14 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Route 15 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Route 16 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Route 17 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | Route 18 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | Route 19 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Route 20 | 0 : 1 0 : 0 0 : 0 0 : 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



- First address: First group that will be activated for a call or toilet call or medallion call, if present and away to Netrix is active in the settings screen also the present and away will activate this group in the Netrix.
- Repetition: Counter that indicates how many times the first address group must be executed
- Second address: Second group that will be activated for a call or toilet call
- Repetition: Counter that indicates how many times the second address group must be executed
- Third address: Third group that will be activated for a call or toilet call
- Repetition: Counter that indicates how many times the third address group must be executed
- Last address: Last group that will be activated for a call or toilet call, if the call is active for a very long time this group will be activated every x time (see setting page) until the call is canceled.

TIP: The time between the group call escalations is programmed in the settings page.

- Assistance: The group that will be activated for a staff assist call
- Emergency: The group that will be activated for an emergency call
- Code Blue: The group that will be activated for a code blue call
- Door: The group that will be activated for a door activation
- Input 1: The group that will be activated for an input 1 activation
- Input 2: The group that will be activated for an input 2 activation
- Input 3: The group that will be activated for an input 3 activation
- Input 4: The group that will be activated for an input 4 activation
- Input 5: The group that will be activated for an input 5 activation

TIP: Door / Input 1-5 will not change the room status, the input will activate a group in the Netrix.

The following settings are related to the iCall local bus mini display NWBAES2800

- Group 1-6: Depending on the active route the display will show group number locations. The groups are allocated in the “Room Display” section.
- Buzzer: The buzzer can be activated or deactivated, depending on the time of the day the display’s buzzer will be sounding or not.
- Present: Activating the present checkbox will show the present information on the iCall local bus mini display. Disable this if the display must indicate only active calls.

7. Periods

The periods are used for selecting the time of the day, depending on the active period the related route for a room call will be followed. The result is that depending on the room and the period of the day a different group can be activated in the Netrix.

Example:

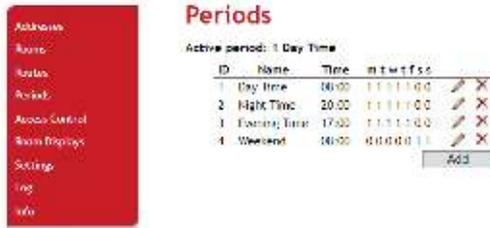
In “day mode” the mobile devices from the day nurses will get the announcement of the call, in another period “night mode” other mobile devices get the announcements.

Periods can only be used if the option “NTP time update” is activated or PS enabled is used (see “Settings” page).



7.1. NTP time update is enabled

By clicking the  icon a different name (label) can be assigned to each period. The time indicates when the period begins. You can also specify the days to which this applies. By clicking the  icon the period will be removed. On top the indication from the period which is currently active.



| ID | Name | Time | m t w t f s s | | |
|----|--------------|-------|---------------|--|--|
| 1 | Day Time | 08:00 | 1 1 1 1 0 0 | | |
| 2 | Night Time | 20:00 | 1 1 1 1 0 0 | | |
| 3 | Evening Time | 17:00 | 1 1 1 1 0 0 | | |
| 4 | Weekend | 00:00 | 0 0 0 0 0 1 1 | | |



Name:

Time:

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

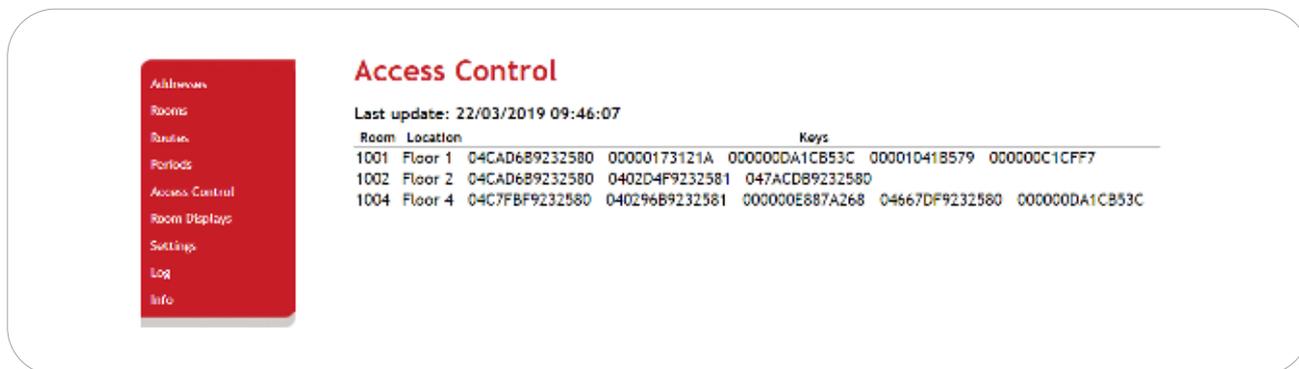
7.2. PS is enabled

By clicking the edit (✎) icon a different name (label) can be assigned to each period. By clicking the ✖ icon, the period entry will be removed. Time and date don't have to be filled out because this information is sent from the period selector to the IP unit, the period selector determines the switching of the period of the day. The period selector is programmed in the settings page.



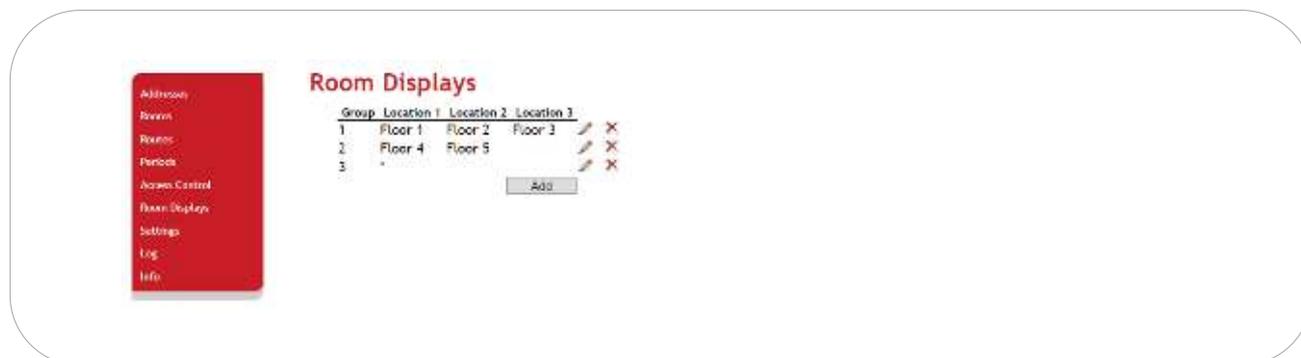
8. Access Control

The Access control list is an only view screen, no changes can be made in this screen. The list is an overview from all ID card or buttons that have access to some rooms. The programming from the access can be done by using the Veripass software.(NWAAIN0100).

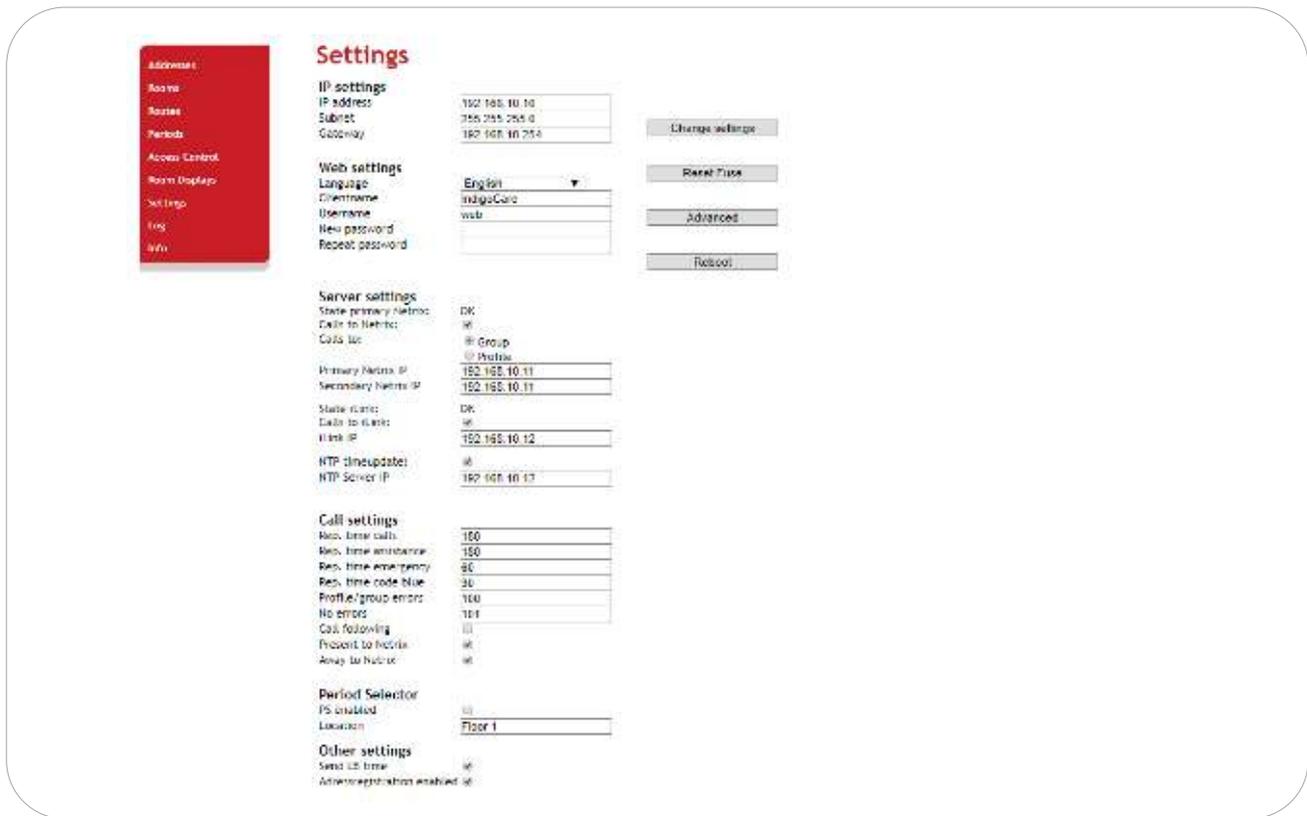


9. Room Displays

The room display entries are used in the route to determine which location must be displayed on the local bus mini display(NWBAES2800). A maximum of 3 locations can be assigned to one group. The use of "*" will allow to show all locations. In the routing program can be decided which locations (groups) can be shown.



10. Settings (Basic)



IP settings:

- **IP address:** IP address of the unit. After the IP address is changed, the unit will reboot. Enter the new IP address in the web browser to reconnect to the IP unit.
- **Subnet:** Subnet corresponding to the IP address and the connected network.
- **Gateway:** The IP address of the Gateway for outgoing connections from the connected network.

Web settings:

- **Language:** Select the language the unit must use, this language is only for the users displays, the programming website is always in English. Supported languages (English, German, Dutch, French, Norwegian, Polish, Portuguese and Spanish)
- **Client name:** Name of the client. This name appears on every web page in the top right corner.
- **User name:** User name for web access.
- **Password:** Password for web access.

Server settings:

- **State primary Netrix:** Indicates status of the Netrix server connection.
- **Calls to Netrix:** Switches the Netrix server connection ON or OFF.
- **Calls to:** Choose between group or profile to send calls to the Netrix.
- **Primary Netrix IP:** IP address of the first Netrix server. Changing this will reboot the unit.
- **Secondary Netrix IP:** IP address of the second Netrix server (used for the backup Netrix). Changing this will reboot the unit.

- *State iLink*: Indicates status from the iLink server connection.
- *Calls to iLink*: Switches the iLink server connection ON or OFF.
- *iLink IP*: IP address of the iLink server. Changing this will reboot the unit.
- *NTP time update*: enable or disable update time via NTP server.
- *NTP server IP*: IP address of the NTP server.

! Only the IndigoCare NTP server may be used !

Call settings:

- *Rep. Time Calls*: repetition time between calls send to Netrix server.
- *Rep. Time Assistance*: repetition time between assistance calls send to the Netrix server.
- *Rep. Time Emergency*: repetition time between emergency calls send to the Netrix server.
- *Rep. Time Code Blue*: repetition time between Code Blue calls send to the Netrix server.
- *Profile/Group errors*: Profile or group in de Netrix server for error message.
- *No errors*: Profile or group in the Netrix server if the error is solved
- *Call following*: Call following ON or OFF. Call following works for rooms that have the same location name.
- *Present to Netrix*: Send present status to the Netrix server.
- *Away to Netrix*: Send away status to the Netrix server.

Period Selector:

- *PS enabled*: Sets external period selector ON or OFF.
- *Location*: The location from the period selector.

Other settings:

- *Address registration*: enable or disable the address registration. (if this selection is disabled no additional call stations can be registered on the local bus)
- *Send LB time*: enable or disable the time indication on the mini display

TIP: At the end of the installation this address registration must be turned OFF

Buttons:

- "Change settings" button saves the settings. After the settings are changed the unit might reboot.
- "Reset Fuse" button will reset the internal fuse and activate the local bus output. If the output is already active and the button is pressed the power to the bus will be interrupted for 5 sec.
- "Advanced" will show more settings in the settings screen
- "Reboot" button will restart the IP-module.

11. Settings (Advanced)

Settings

IP settings

IP address
 Subnet
 Gateway

Change settings

Web settings

Language
 Clientname
 Devicename
 Username
 New password
 Repeat password

Backup unit

Update displays

Reboot displays

Reset Fuse

Server settings

State primary Netrix: OK
 Calls to Netrix:
 Calls to: Group Profile
 Primary Netrix IP
 Secondary Netrix IP
 Netrix Port
 Cyclic Sending:
 Cyclic Group:
 Cyclic Time (s):
 State iLink: OK
 Calls to iLink:
 iLink IP
 iLink Port
 Broadcast calls:
 UDP broadcast IP
 UDP broadcast Port
 NTP timeupdate:
 NTP Server IP

Restore to default

Basic

Reboot

Call settings

Rep. time calls
 Rep. time assistance
 Rep. time emergency
 Rep. time code blue
 Profile/group errors
 No errors
 CF Buzzer/Mode
 Call following
 Toiletcall
 Boot info to Netrix
 Present to Netrix
 Away to Netrix

Period Selector

PS enabled
 Location

Buzzer enable in call following

Buzzer Emergency
 Buzzer Code Blue
 Buzzer Assistance
 Buzzer Toilet
 Buzzer Call
 Buzzer Info P1
 Buzzer Info P2
 Buzzer Info P3
 Buzzer Info P4

Other settings

Send LB time
 Adressregistration enabled
 TeleAlarm to netrix
 IO Netrix 0/1
 German Led
 Broadcast Relay
 Auto reset fuse

IP settings:

- *IP address*: IP address of the unit. After the IP address is changed, the unit will reboot. Enter the new IP address in the web browser to reconnect to the IP unit.
- *Subnet*: Subnet corresponding to the IP address and the connected network.
- *Gateway*: The IP address of the Gateway for outgoing connections from the connected network.

Web settings:

- *Language*: Select the language the unit must use, this language is only for the users displays, the programming website is always in English. Supported languages (English, German, Dutch, French, Norwegian, Polish, Portuguese and Spanish)
- *Client name*: Name of the client. This name appears on every web page in the top right corner.
- *Devicename*: Name used in the network environment
- *User name*: User name for web access.
- *Password*: Password for web access.

Server settings:

- *State primary Netrix*: Indicates status of the Netrix server connection.
- *Calls to Netrix*: Switches the Netrix server connection ON or OFF.
- *Calls to*: Choose between group or profile to send calls to the Netrix.
- *Primary Netrix IP*: IP address of the first Netrix server. Changing this will reboot the unit.
- *Secondary Netrix IP*: IP address of the second Netrix server (used for the backup Netrix). Changing this will reboot the unit.
- *Netrix Port*: Port number where the IP-unit will make his connection to the Netrix server.
- *Cyclic Sending*: Enable or disable cyclic sending. Sends a message to the Netrix periodically.
- *Cyclic group*: Cyclic group in the Netrix.
- *Cyclic Time(s)*: Repetition time between the messages send to the Netrix
- *State iLink*: Indicates status from the iLink server connection.
- *Calls to iLink*: Switches the iLink server connection ON or OFF.
- *iLink IP*: IP address of the iLink server. Changing this will reboot the unit.
- *iLink port*: Port of the socket connection. Changing this will reboot the unit.
- *Broadcast calls*: Send calls over the network (must be ON to make call following possible and displaying the info on the nurse stations).
- *UDP Broadcast IP*: Broadcast IP address for calls. Default: 255.255.255.255
- *UDP Broadcast port*: Port for broadcast. Default: 7475
- *NTP time update*: enable or disable update time via NTP server.
- *NTP server IP*: IP address of the NTP server.

! Only the IndigoCare NTP server may be used !

Call settings:

- *Rep. Time Calls*: repetition time between calls send to Netrix server.
- *Rep. Time Assistance*: repetition time between assistance calls send to the Netrix server.
- *Rep. Time Emergency*: repetition time between emergency calls send to the Netrix server.
- *Rep. Time Code Blue*: repetition time between Code Blue calls send to the Netrix server.
- *Profile/Group errors*: Profile or group in de Netrix server for error message.
- *No errors*: Profile or group in de Netrix server if the error is solved

- *CF BuzzerMode*: determine which buzzer must be active in the room.
 - *Default*: First call station in the room will annunciate
 - *All*: All call stations will annunciate
 - *Selectable*: The annunciate call station can be selected in the addresses page
- *Call following*: Call following ON or OFF. Call following works for rooms that have the same location name.
- *Toiletcall*: If enabled a toilet call will only be visible on the dome light and the toilet buttons. Room calls are not visible on the toilet call stations.
If disabled a toilet call will be indicated on all room call stations and toilet call stations as a call.
- *Boot info to Netrix*: Send every time the IP-unit starts a message to the Netrix server.
- *Present to Netrix*: Send present status to the Netrix server.
- *Away to Netrix*: Send away status to the Netrix server.

Period Selector:

- *PS enabled*: Sets external period selector ON or OFF.
- *Location*: The location from the period selector.

Buzzer enable in call following:

- *Buzzer Emergency*: enable or disable the buzzer in the room for the call following feature in case of an emergency call.
- *Buzzer Code Blue*: enable or disable the buzzer in the room for the call following feature in case of a Code Blue call.
- *Buzzer Assistance*: enable or disable the buzzer in the room for the call following feature in case of a staff assist call.
- *Buzzer Toilet*: enable or disable the buzzer in the room for the call following feature in case of a toilet call.
- *Buzzer Call*: enable or disable the buzzer in the room for the call following feature in case of a normal call.
- *Buzzer P1*: enable or disable the buzzer in the room for the call following feature in case of an external information P1.
- *Buzzer P2*: enable or disable the buzzer in the room for the call following feature in case of an external information P2.
- *Buzzer P3*: enable or disable the buzzer in the room for the call following feature in case of an external information P3.
- *Buzzer P4*: enable or disable the buzzer in the room for the call following feature in case of an external information P4.
- *Buzzer P5*: enable or disable the buzzer in the room for the call following feature in case of an external information P5.

Other settings:

- *Send LB time*: enable or disable the time indication on the mini display
- *Address registration*: enable or disable the address registration. (if this selection is disabled no additional call stations can be registered on the local bus)
- *TeleAlarm to netrix*: If enabled all wireless calls will be send to the netrix server direct
- *IO Netrix 0/1*:
 - ➔ Enabled: For all inputs programed to the Netrix server will send a Netrix message on an activation of the input 1-5
 - ➔ Disabled: For all inputs programed to the Netrix server will send a Netrix message on an activation and deactivation of the input 1-5
- *German LED*: Enable this function will result in a change on the dome light for a toilet call.
 - ➔ Enabled: Red and Yellow indicator on the dome light will be active for a toilet call
 - ➔ Disabled: Yellow indicator on the dome light will be active for a toilet call

- *Broadcast Relay*: When enabled a received broadcast IP message will be send out again if the IP-DIN has a room with the right credentials. If disabled only local bus calls from the own bus will be broadcasted.
- *Auto reset fuse*: When enabled the IP unit will automatically reset the electronical fuse after a shortcut is detected on the power lines of the local bus. The system will try to enable the fuse again 3 times, with an interruption time of 15 seconds. After 3 attempts of reset fuse failure, the system will keep the fuse open.

TIP: At the end of the installation the address registration must be turned OFF

Buttons:

- "Change settings" button saves the settings. After the settings are changed the unit might reboot.
- "Backup unit" one of the first procedures to make a backup, today the use of the iMaster is advised.
- "Update displays" the IP unit will send the selected language to the local bus mini displays
- "Reboot displays" all local bus mini displays will reboot
- "Reset Fuse" button will reset the internal fuse and activate the local bus output.
If the output is already active and the button is pressed the power to the bus will be interrupted for 5 sec.
- "Restore to default" button will erase the IP-unit and will go back to factory default setting
- "Basic" button will show only the basic settings in the settings screen
- "Reboot" button will restart the IP-module.

13. Info

The “Info” screen shows data such as the system time, uptime, SW version, MAC address, serial number and RTOS version.

The indication of the CPU temperature and the current are not calibrated references.

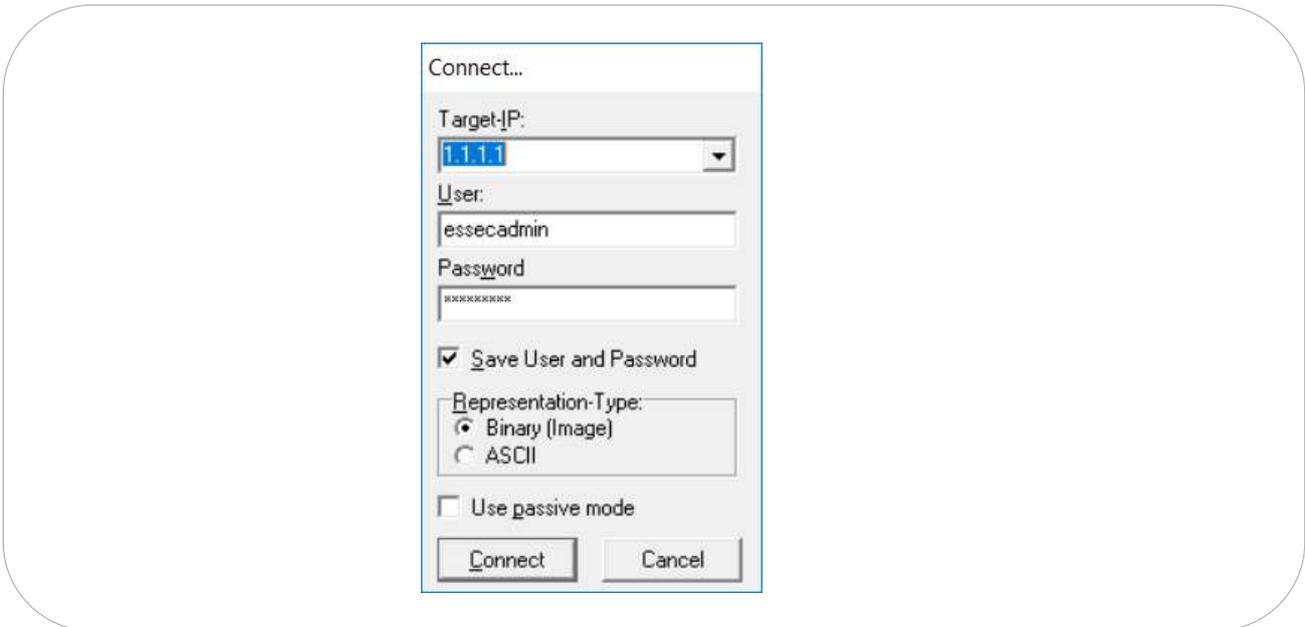
Voltage indicator shows the status of the power (voltage) at the local bus output.



13.1. Changing Info page

The content (logo and address) from the information page can be changed. Open notepad and copy over the first row, second column of the table below. Fill in the correct credentials and save as info.txt. Connect to the IP-DIN by using a FTP connection and upload the info.txt

| | |
|---|--|
| 1 | IndigoCare Europe |
| 2 | |
| 3 | Schoebroekstraat 48 |
| 4 | 3583 Paal |
| 5 | Telephone: +32 11 247 090 |
| 6 | Fax: +32 11 247 099 |
| 7 | <a href='http://www.indigocare.com' style='text-decoration: none; font-weight: bold; color: |
| 8 | black;'>www.indigocare.com |
| | <a href='mailto:sales@indigocare.com ' style='text-decoration: none; font-weight: bold; color: |
| | black;'>sales@indigocare.com |
| 1 | Company name |
| 2 | Logo (dimensions 257*230 pixels) |
| 3 | Street name + number |
| 4 | Postcode, town and country |
| 5 | Phone number |
| 6 | Fax number |
| 7 | Webpage |
| 8 | Email |



The target-IP is the IP address which you configured in the IP settings screen.

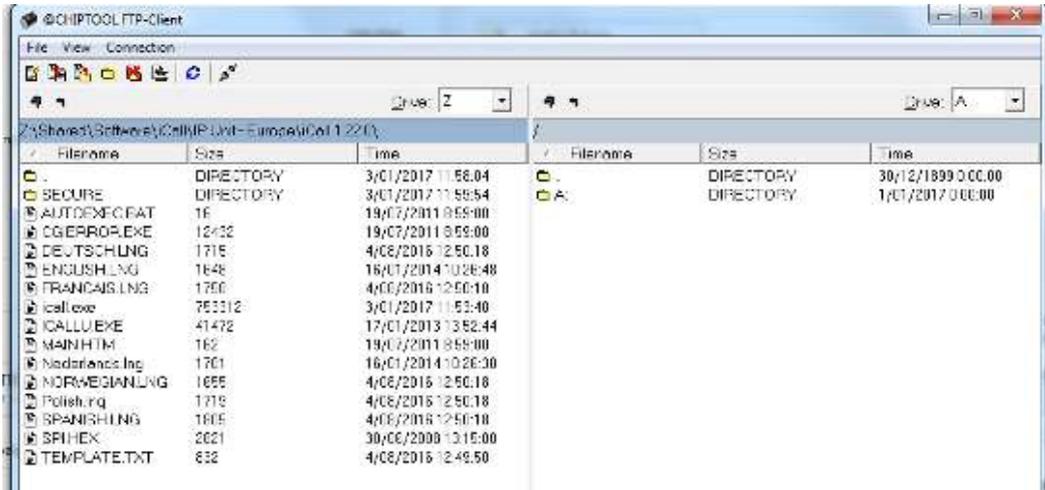
The username: essecadmin

The password: lifesaver

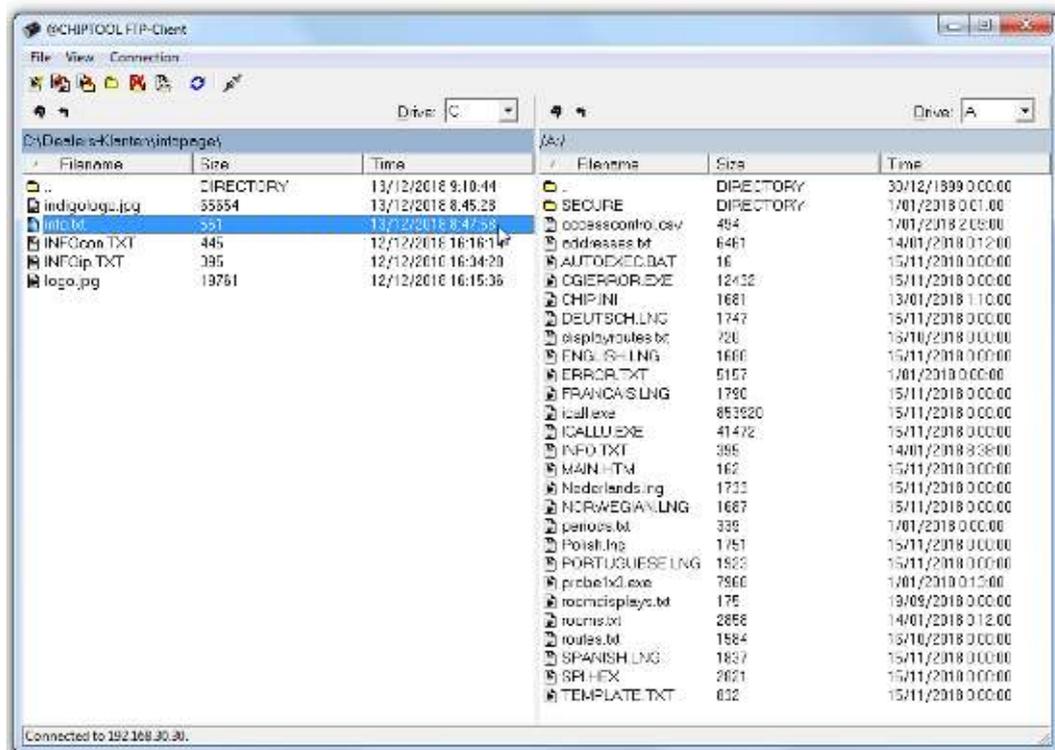
Select the binary type to transfer the files.

Then click connect.

When the connection opens you will see the window below.
 First open the A: map.

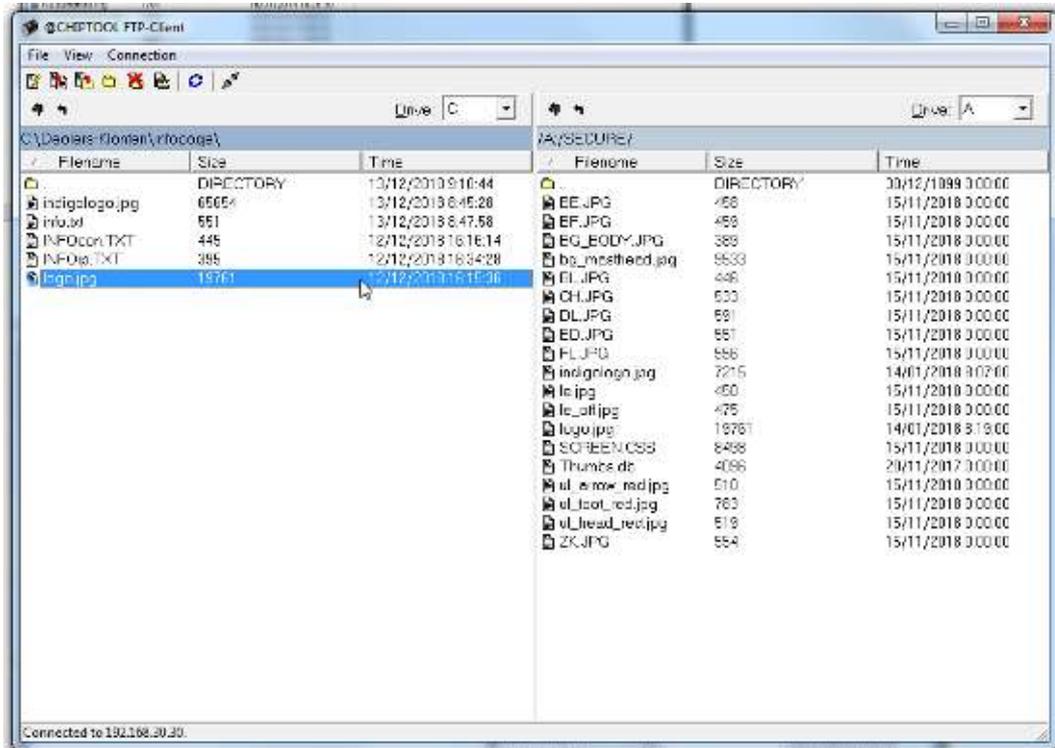


Copy the info.txt into the main folder



To change the logo, open the secure map and copy in the new logo for the infopage.

! The logo may not exceed the maximum size of 300 x 300 pixels !



Disconnect the FTP program and open the infopage in the web browser, the new credentials should be set.



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