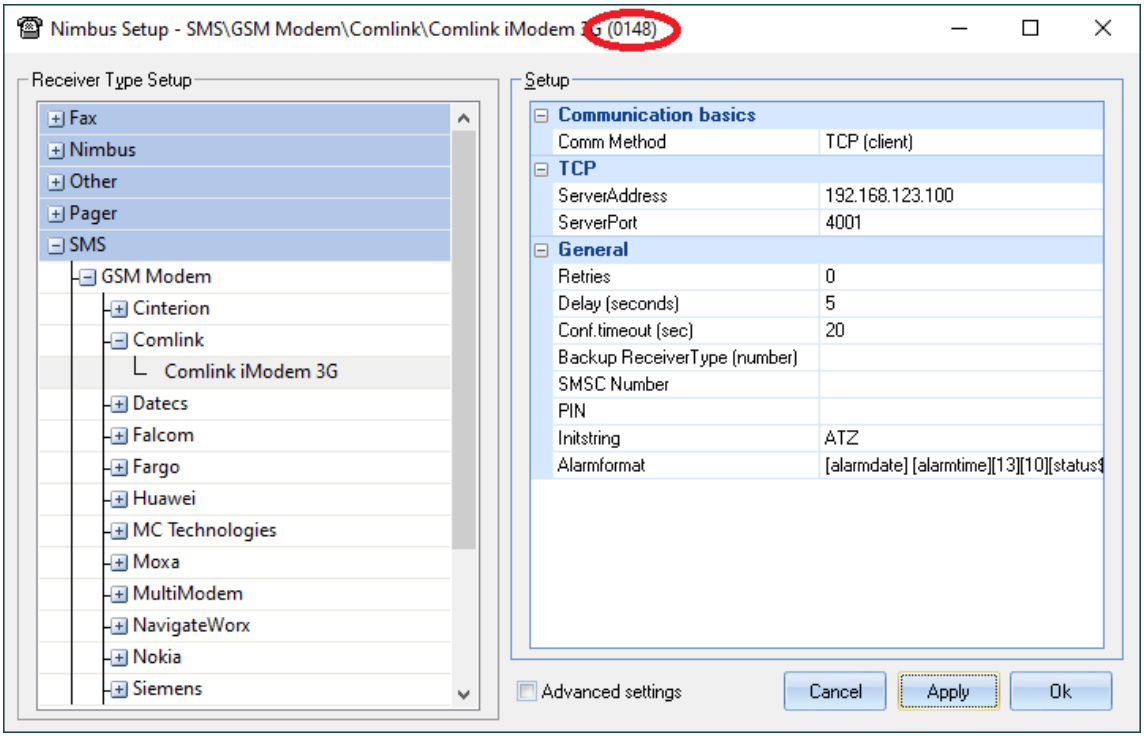
Use of backup receivers in Nimbus

In version 3.00.17 and above there is a built-in functionality to send using another receiver type if the primary receiver type does not work. However, for this to work the receiver types need to have the same sending algorithm, ex using two GSM-terminals with similar settings.

If you are using an earlier Nimbus version or want to use totally different receiver types for the primary and backup receiver you could instead configure and use a *Backup Receiver* (see last section below)

Create multiple equal receiver types

Regardless of the chosen method, you might need to create a new receiver type for the backup receiver, ex if you are using two equal GSM-terminals on different IP-addresses or ports. By default there is only one receiver type of each kind.

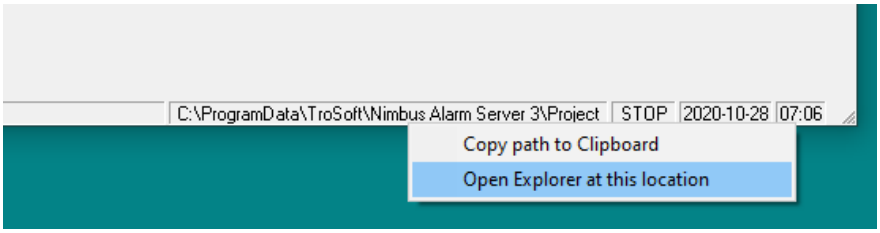


Each receiver type is defined by two files. The files are located in the *Project\ReceiverTypes* folder and is named using a number. The number is visible in the caption bar. The above example is associated with the files *ReceiverType_0148.rcv* and *ReceiverType_0148.ini*. Both files are (ANSI) text files and may be edited using *Notepad*.

The INI-file contains the settings to the right, ex *Comm Method, Retries, Delays, AlarmFormat* etc.

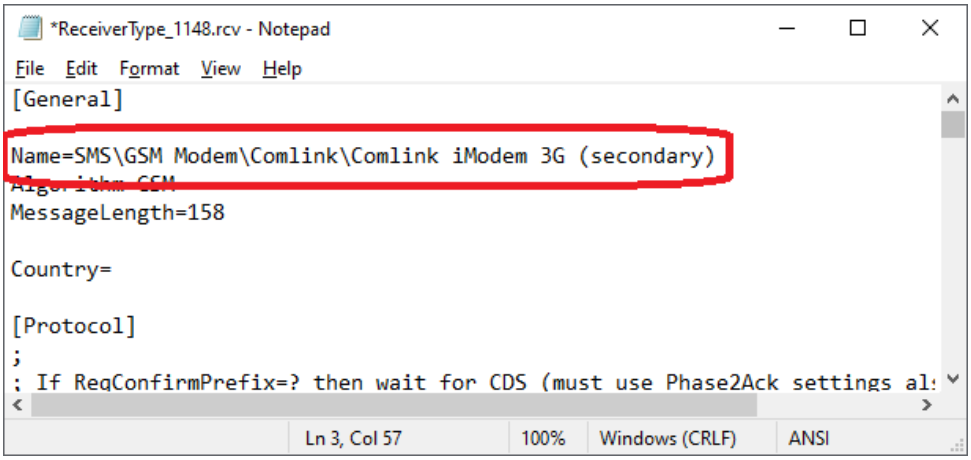
The RCV-file contains some other parameters, some of them vill be visible if you tick the checkbox *Advanced settings*. The name visible in the treeview (and the location) is also defined in the RCV-file.

Shutdown Nimbus Server. Open the *ReceiverTypes* folder and copy the files belonging to the receiver type you wish to double. Fastest way to find the *Project*-folder is by right-clicking the path down right in Nimbus Explorer and let it open the location with *Explorer*.



Rename the new files using a number above 1000. It must have four digits (1000..9999) . In the example above they where renamed to *ReceiverType_1148.rcv* and *ReceiverType_1148.ini*.

Open the new RCV-file using *Notepad* and add *(secondary)* to the *Name*-parameter as shown below:

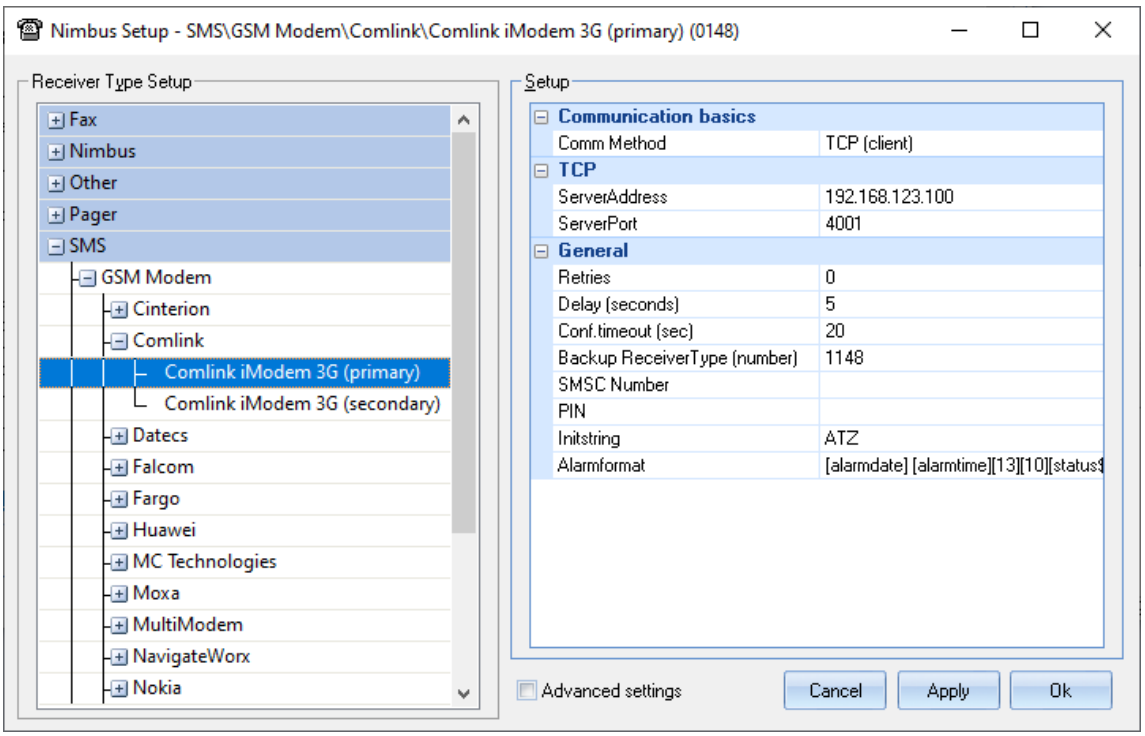


Then do the same with the original RCV-file (*ReceiverType_0148.rcv*) and add the text *(primary)* to the *Name*-parameter.

The text *(primary)* and *(secondary)* could actually be any describing text.

Save the files, restart *Nimbus Explorer* and start *Nimbus Server* again.

Voila! You now have two receiver types of the same kind and functionality but with complete different settings:



Now edit the IP/port etc so each receiver type points to the correct GSM-terminal.

If you run Nimbus version 3.00.17 or later there should exist a *Backup ReceiverType (number)* parameter. On the primary receiver type *(0148)* you now specify the new receiver type number *1148* in this field as in the above example. On the secondary receiver type you leave this field blank.

Nimbus will now automatically switch to the secondary receiver type if the primary fails.

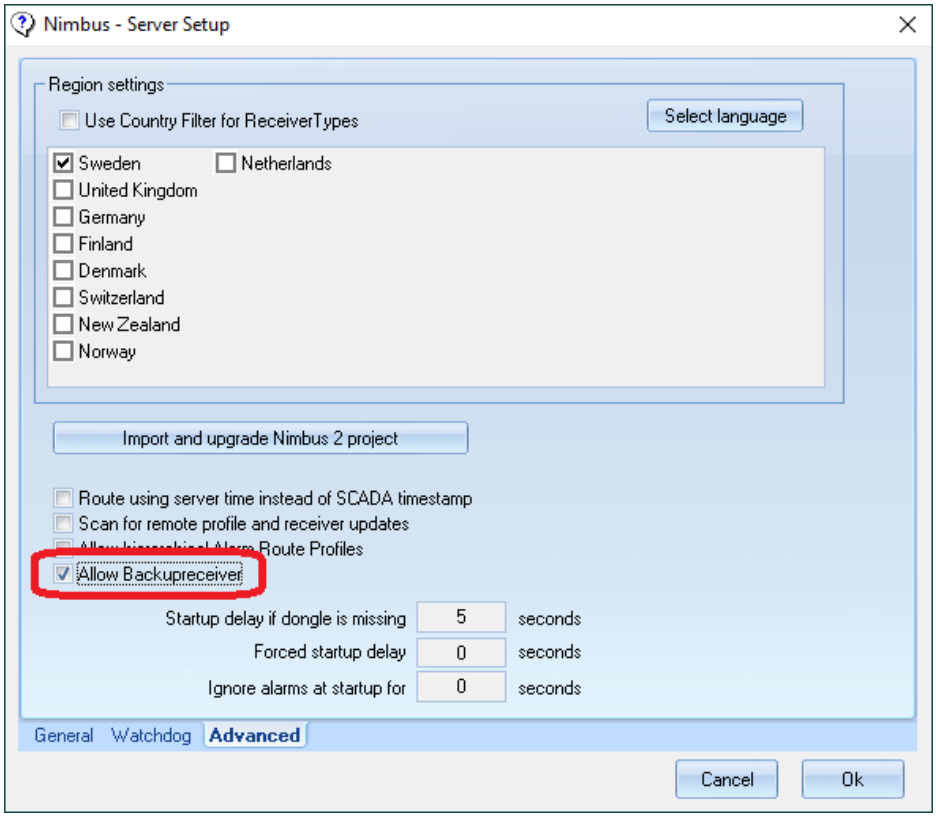
In a redundant Nimbus configuration it is important to copy all four files to the secondary server and restart *Nimbus Explorer* and *Nimbus Server*. If needed, do neccessary changes in the receiver type settings.

If you don't have 3.00.17 or later or wish to setup a backup receiver using the old method you instead of filling in the *Backup receviertype field* create a backup receiver using the method described below.

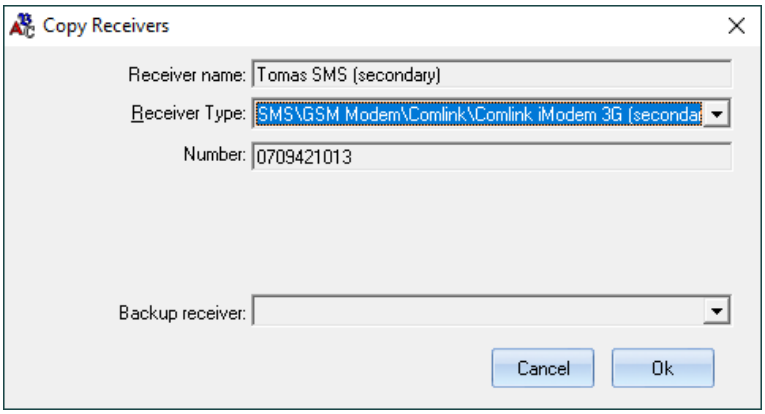
Observe that in a redundant solution, the port will permanetly be locked by one server if you use *Confirmation of alarm reception* and *Confirm by SMS* using the same IP / port and also have ticked the *Let the port be open even if we not are waiting for a confirmation* box.

Create and use Backup Receivers

Basically you create a new receiver and configures the primary receiver to use the new receiver if it fails.



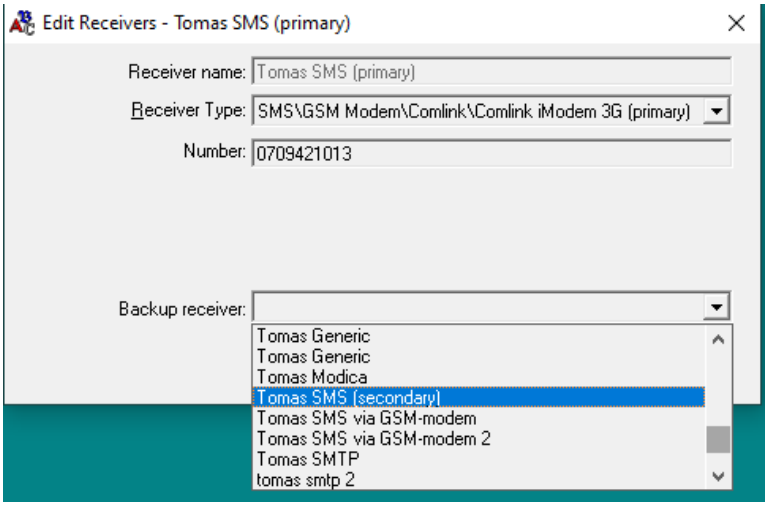
Check the *Allow backup receiver* parameter. Restart both *Nimbus Server* and *Nimbus Explorer*. This needs to be done in both servers in a redundant configuration.



Create a backup receiver. In the above example we create a new receiver which will use the secondary GSM-terminal receiver type we newly created. But the backup receiver might aswell use a completely different sending algorithm /receiver type, it could be a mail receiver type etc.

Add some text to the receiver name indicating it is a backup receiver, it eases things up in the receiver list.

At the already existing receiver you choose the newly created receiver as *Backup receiver*:



Nimbus will now automatically try to send using the backup receiver *Tomas SMS (secondary)* if the receiver *Tomas SMS (primary)* fails.