



# Nera F77 – Installation Check List

The check list is an aid in securing that all necessary settings have been made following the installation of Nera F77. *References are made to the Nera F77 User Manual and Installation Manual.*

*Configuration from PC is done by downloading the vtLite Mobile program from the CD enclosed with the Nera F77 User Manual.*

**Check that all grounding conditions are according to the Installation Manual !**

## Above Deck Equipment

When placing the antenna avoid *obstructions and interference*.

Use the PG nipple recommended for the right diameter/coax cable.

Fasten the coax cable to the support rail using cable ties.

## Below Deck Equipment

The MCU must be provided with a good electrical connection to the ship's hull for grounding. This is obtained by using *copper foil*. (See *Installation: "Location and grounding of units"*.)

Ensure a free space above and below the MCU of at least 10 cm for adequate cooling, and to allow removal of the Modem Unit and Power Supply Unit.

Ref No	Action	Function	No	Comments/settings
1	<input type="checkbox"/> Switch ON Nera F77. (wait for initialization to finish)			Disregard alarm readouts
2	<input type="checkbox"/> Start satellite search, if needed. Signal strength of 660 is Ok (should be at least 570).	<b>Sat. Search</b>	HS menu	See <i>HANDSET &gt; FUNCTIONS &gt; Satellite search</i>
3	<input type="checkbox"/> Program the "Net service provider" for an Ocean Region.	<b>Set default</b>	HS menu	See <i>HANDSET FUNCTIONS &gt; Selecting default Net service provider</i>
4	<input type="checkbox"/> Program Net service providers for all Ocean Regions	<b>Set default using vtLite Mobile</b>	1	See <i>CONFIGURATION FROM PC &gt; Set default net provider</i>
5	<input type="checkbox"/> Change to "Owner Level"	<b>Set access level</b>	2	See <i>CONFIGURATION FROM PC &gt; Access level.</i>
6	<input type="checkbox"/> Set "Diagnostics" to ON	<b>Set diagnostics</b>	974	See <i>CONFIGURATION FROM PC &gt; Configuration &gt; set diagnostics.</i>
7	<input type="checkbox"/> Nera ISDN Handset connected to Distress Alarm Unit will be given MSN20 - terminal ID 01, and MSN30 - terminal ID 91			Automatically selected. Press R-key on HS to verify.
8	<input type="checkbox"/> Enable "Traffic log"	<b>Log</b> (see Main window)	Log	See <i>OPERATION FROM PC &gt; Traffic log &gt; Traffic log settings.</i>



Ref No	Action	Function	No	Comments/settings
9 <input type="checkbox"/>	Configure all external ISDN devices with MSN number. (Nera ISDN Handset will configure automatically).	Check with <b>Device manager</b>		See the user manual of the specific ISDN device
10 <input type="checkbox"/>	Configure the Nera F77 MCU with MSN numbers (if beyond the pre-programmed MSN numbers)	<b>Device manager</b> (select from Main window)		See <i>CONFIGURATION FROM PC &gt; Routing of incoming calls and/or MSN configuration.</i>
11 <input type="checkbox"/>	Make a 4.8 kbps and a 64 kbps voice call.			See <i>OPERATION FROM HANDSET &gt; Making a call.</i>
12 <input type="checkbox"/>	Make a fax call (via Tel 4)	Change from 9.6 kbps to 3.1 kHz Audio via Device Manager		See <i>TELEFAX SERVICE</i>
13 <input type="checkbox"/>	Make a data call			See <i>CD &gt; Applications:</i> <ul style="list-style-type: none"> <li>• Mobile Data Service via RS-232</li> <li>• Mobile Data Service via USB</li> <li>• Mobile Data Service via ISDN</li> <li>• MPDS via RS232.</li> <li>• MPDS via USB.</li> </ul>
14 <input type="checkbox"/>	Check the traffic log performance after above calls	<b>Log</b> (see Main window)	12	See <i>OPERATION FROM PC &gt; Traffic log &gt; Traffic log readout.</i>
15 <input type="checkbox"/>	Distress Alarm buzzer test.	<b>Distress buzzer</b>		See <i>OPERATION FROM HANDSET &gt; Distress Alarm</i>
16 <input type="checkbox"/>	Distress Alarm test.	<b>Distress test, if required</b>		See <i>OPERATION FROM HANDSET &gt; Distress Alarm</i>
17 <input type="checkbox"/>	Check alarm list	<b>Alarms and messages</b>	941 or HS menu	See <i>CD &gt; Additional manuals &gt; Alarms and Messages</i>
18 <input type="checkbox"/>	Make a backup of the terminal's configurations	<b>Device Manager</b>		See <i>CONFIGURATION FROM PC &gt; Saving and reloading configurations</i>
19 <input type="checkbox"/>	Revert to user level			