Checklist Headset

1 Product

Vendor	GN-Netcom
Source	GN-Netcom
Name	GN 9120 Midi Boom NF Mic.w.e.RHL DECT
Description	Mono over the ear style DECT wireless Headset with base station and charging unit. For use business desk telephones
Order ID device	9120-48-11
Name, Order ID USB adaptor	none
Name, Order ID IP200 adaptor	Not needed

2 Description

The GN9120 is a DECT based wireless mono over-the-ear style headset with docking station. The docking station both works as a charger and adapter to the desk telephone.

Being DECT based, it features a siginificant larger reachout than comparable Bluetooth or Infrared solutions. Also, battery capacity lasts longer due to the power saving mechanisms built in to the DECT system.

2.1 Functions

Criteria	IP200	IP200A	IP100
Headset Detection works	No	No	n/a
Basic function „hearing“ ok	Yes	Yes	Yes
Basic function „speaking“ ok	Yes	Yes	Yes
Perceived volume similar to handset	Yes	Yes	Yes
Perceived volume at remote end ok	Yes (See remarks)	Yes (See remarks)	Yes
Comprehensibility of remote end	Ok	Ok	Ok
Comprehensibility at remote end	Ok	Ok	Ok
No background noise, no distortion		See remarks	
Comprehensibility also with strong background noises in the area		Not tested	
No echo in both directions	Yes	Yes	Yes
Sits firmly at the head	Yes	Yes	Yes

(erstellt am 28.06.05 von Christoph Künkel in G:\SOURCESAFE\TESTLAB\ZERTIFIZIERUNGEN_GN-NETCOM\GN9210.DOC, zuletzt geändert von Karsten Brauner am 11.08.2005)

Sits conveniently at the head, even for longer use	Acceptable	Acceptable	Acceptable

2.2 Features

Criteria	Remarks
Mono (single sided) available	Yes
Duo (double sided) available	No
Micro flexible boom available	Yes
Micro fixed boom available	Yes
Over-the-head-style available	Yes
Over the ear available	Yes
Around the ear available	No
Miscellaneous	Incl. Docking station

2.3 Restrictions

The GN9210 features a remote hook switch, that is, you can accept and disconnect calls directly on the headset when not near to the telephone. However, this functions does not work with the IP200. To work around, you may use the GN1000 mechanical lifting device (see separate report).

3 Configuration

3.1 IP200

3.1.1 Connected directly to the IP200

The GN9210 can be connected to the headset port of the IP200 (despite what the user manual recommends). When using standard IP200 settings (that is, no tweaking of the analogue front end), we achieved best results when setting the selector switch to F.

Be sure to have the headset always connected [((o)) – Symbol at the charger station has to be on] or to connect it before making any call. When you put the headset into the charger it will automaticly disconnect and connect again when pulled off.

The headset detection does not work with the GN9210, so you have to enable the headset manually in the IP200's settings.

3.1.2 Used with the GN1000 lifting device

In that scenario, the GN9210 is to be tied in to the handset cord, as described in the manual. We achieved best results when setting the selector switch to G. The microphone volume dial is a bit critical, because it is used for the handset and headset at the same time. If the mircophone gain is to high, a comfortably speaking with the handset isn't possible (the sidegain is too high). You have to adjust the microphone gain for the handset and use those values also with the headset.

You have to disable the headset manually in the IP200's settings.

3.2 IP200A

3.2.1 Connected directly to the IP200A

The GN9210 can be connected to the headset port of the IP200A (despite what the user manual recommends). When using standard IP200A settings (that is, no tweaking of the analogue front end), we achieved best results when setting the selector switch to F.

Be sure to have the headset always connected [((o)) – Symbol at the charger station has to be on] or to connect it before making any call. When you put the headset into the charger it will automaticly disconnect and connect again when pulled off.

The headset detection does not work with the GN9210, so you have to enable the headset manually in the IP200A's settings.

3.2.2 Used with the GN1000 lifting device

In that scenario, the GN9210 is to be tied in to the handset cord, as described in the manual. We achieved best results when setting the selector switch to A or G. The microphone volume dial is a bit critical, because it is used for the handset and headset at the same time. If the mircophone gain is to high, a comfortably speaking with the handset isn't possible (the sidegain is too high). You have to adjust the microphone gain for the handset and use those values also with the headset. With the standard values it is a bit to low.

You have to disable the headset manually in the IP200A's settings.

3.3 IP100

3.3.1 Connected directly to the IP100

The IP100 does not feature a headset port, so the GN9210 will be tied in to the handset cord, as described in the manual. We achieved best results when setting the selector switch to A or G and the volume match dial to approx. 50%.

You have to switch off headset mode in the IP100's user settings.

3.3.2 Used with the GN1000 lifting device

The GN9210 is connected to the IP100 as in 3.3.1.

3.4 SoftwarePhone

The GN9210 could not be used with the SoftwarePhone. There is no Adapter available and it seems not be useful, too. Maybe a DECT Dongle can be used.

4 Sales Channel

TLK, NT-Plus

In Germany, contact

Hans-Werner Bormann
Fon: 040-30982542
Fax: 040-30982543
hwbormann@gnnetcom.de

for details.

5 Remarks

The GN9210 can be worn comfortably over a long period of time. The docking station provides for a convenient way of charging the headset while not in use. The voice quality is very good for the remote end (that is, the party you are talking to), while it is somewhat compromised at the local end. There is no echo but it is a little bit noisy. Especially when you connect the GN9210 directly to the headset port, and you need the “always on” functionality, it is really noisy and no more comfortable. We recommend to use establish the DECT connection only when needed. It is still fine for office use, but rather not sufficient for hard-core use such as in a call centre or the like. Although the DECT functionality is packed in a very small housing, it is still quiet heavy and you need to get used to it. The coverage certainly depends not really on the characteristics of the area because it’s DECT. In our tests in a quite “standard” office environment, we found that it works seamlessly within 25m.