

# EHS - Electronic Hook Switch

**EHS** means **Electronic Hook Switch** and is a feature that allows wireless headsets to accept and end calls directly by pressing a specific button. In other words, apart from the pure speech transmission, EHS makes call acceptance possible directly at the headset. By using EHS, telephones and headsets of different manufacturers can be combined. The snom EHS solution supports both wireless headsets from [GN Netcom/Jabra](#) as well as devices from [Plantronics](#). This requires a corresponding connector at the headset.

The snom EHS solutions consist of an **EHS adapter** box and necessary cables.

- [Enhanced Wireless Headset Adapter](#) (EHS Advanced 2.0): **P/N: 00002362**



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**NOTE:** A third party accessory is available from Sennheiser, the splitter cable connects the headset's base station to a desktop telephone and the Snom EHS box.

More information regarding the Sennheiser CEHS-SP 01 can be found [here](#).



If you want to know which headsets have been tested for compatibility, please have a look at the following list: [Supported Headsets](#)



**Attention:** Never forget, you have to restart your Snom Desk Phone after connect the Headset with a EHS Adapter to get the Headset working.

## Supported Phone Series

Following series/phones currently supporting EHS Advanced:

- 3xx series (snom 300 with MAC addresses 00041328xxxx and higher)

- 7xx: FW 8.7.3.6 and higher
- 8xx series
- D3xx series
- D7xx series

## Cabling

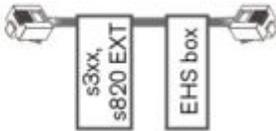
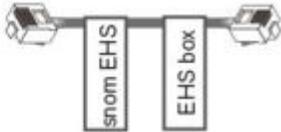
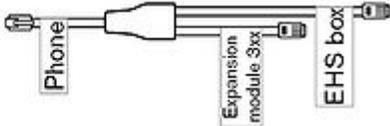
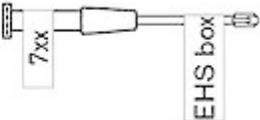
### Supplied with the snom EHS Advanced

The connection of wireless headsets, with a transmitter/charger station connected by cable to the desk phone, from third party suppliers (Jabra, Plantronics, Sennheiser) is not always done in the same way.

- Some are connected completely via the Snom EHS Advanced adapter, such as the **Plantronics Savi 740**, which is connected to the EHS adapter using the 3.5 jack plug (audio) provided with the EHS adapter and then connected to the EHS input of the phone using the cable shown in **picture A** (see below) and to the headset jack of the phone using the cable provided with the headset. This is the standard case.
- Some headsets have two outputs, such as the **Jabra Pro 9470**, which has an output (RJ45) to the EHS, to which the EHS adapter is connected (next to the jack input) using the cable supplied with the EHS (in the example RJ45/RJ45 - Figure E) and then the connection is made to the EHS input of the phone using the cable supplied with the EHS adapter, **picture B** with RJ45/RJ12.
- There are also cases in which an EHS adapter is already included as with the **Sennheiser DW Pro 1**, in which no additional EHS adapter from Snom is required.

**i** Please note that the EHS connection on our phones has changed over time. The older devices, especially from the D7xx series, still had a 4 pin flat connector, here you need the cable shown in **picture D**.

The newer devices have a RJ12 Western plug as shown in **picture A**. Here only the labeling has changed from **EXT** to **EHS** over time. The EHS input is mostly hidden behind a black square protection cap.

Picture	Description
<b>A</b> RJ12 - RJ12 	<ul style="list-style-type: none"> <li>• RJ12 cord (Mod 6/6). <b>snom 320, snom 370 &amp; D375:</b> Connecting the port labeled <b>EXT</b> and the snom EHS Advanced.</li> <li>• <b>snom 300:</b> Connecting the port labeled <b>I/O</b> and the snom EHS Advanced.</li> <li>• <b>NOTE: This is the standard for Snom Deskphones: D305, D315, D335, D345, D375, D385, D717, D735, D785.</b></li> </ul>
<b>B</b> RJ45 - RJ12 	<ul style="list-style-type: none"> <li>• RJ45-RJ12 cord (Mod 8/6. For the connection between the port labeled <b>EHS</b> on the <b>snom 870/snom 821</b>, <b>D3xx/D7xx phones</b> and the snom EHS Advanced.</li> </ul>
<b>C</b> Y cable (3 x RJ12) 	<ul style="list-style-type: none"> <li>• Y-cord: If you are using a <b>3xx expansion module as well as the snom EHS Advanced</b>, plug the RJ12 connector labeled "Telephone" into the <b>EXT</b> port on the <b>snom 320/370</b> phone. Connect the RJ12 connector labeled "EHS box" to the snom EHS Advanced; connect the RJ12 connector labeled "Extension panel" to the expansion module.</li> <li>• <b>NOTE:</b> EHS with hardware revision R3A/B is <b>no longer compatible</b> with the Y-cord! For this reason, the Y-cord is no longer delivered with EHS revision R3A/B.</li> </ul>
<b>D</b> snom Connector - RJ12 	<ul style="list-style-type: none"> <li>• Proprietary snom connector-RJ12 cable: For the connection between the proprietary snom port on <b>Snom 7xx</b> and the snom EHS Advanced.</li> <li>• <b>NOTE:</b> The cable is included in boxes labelled "snom EHS Advanced V2.0". If you have an older version (i.e., if there is no version number on the box) you can order the cable separately - see below.</li> <li>• <b>NOTE: This is the standard for Snom Deskphones: D710, D712, D715, D725, D745, D765.</b></li> </ul>

<p><b>E</b> 2 x RJ45</p> 	<ul style="list-style-type: none"> <li>• RJ45 cord (Mod 8/8): For the connection between the snom EHS Advanced and the GN Netcom Wireless headset (AUX port).</li> </ul>
<p><b>F</b> 2 x 3.5 mm Stereo</p> 	<ul style="list-style-type: none"> <li>• 3.5 mm Stereo Jack: For the connection between the snom EHS Advanced and a Plantronics Wireless headset (accessory port).</li> </ul>

Download EHS - Quick Installation Guide here:



**Available separately**

Picture	Description
<p>snom connector - RJ12</p> 	<ul style="list-style-type: none"> <li>• Proprietary snom connector-RJ12 cable: For the connection between the proprietary snom port on <b>7xx and D7xx phones</b> and the snom EHS Advanced.</li> <li>• <b>NOTE: The cable is included in boxes labeled "snom EHS Advanced V2.0"</b>. You need to order the cable (PN 0003383) separately <u>only</u> if you have an older version of the snom EHS Advanced (i.e., if there is no version number on the box).</li> <li>• <b>NOTE:</b> The footstand of the 7xx needs to be removed for connecting the cable. <b>Look at the illustration in the Quick Installation Guide Snom EHS Advanced prior to plugging in the connector to make sure that you do it correctly.</b></li> </ul>

**i** **Supplied with the headset**

The **4P4C** audio cable is **NOT** supplied with the EHS Advanced. It comes with the headset base station and is connected to the headset port on the snom phone.



Which headsets work with the snom EHS Advanced?

Please note that this is not an inclusive list. Headsets not mentioned here may also work with the snom EHS Advanced, but they have not been tested by snom.

## Disclaimer for compatibility of third-party wireless headsets and wired USB headsets

**i** The information contained in this list is merely meant to assist you in finding a wireless headset or a wired USB headset that may be compatible with your snom desk phone. Please test any headset you wish to use with a snom phone prior to purchasing the headset. snom disclaims any liability for the accurateness, completeness, and currentness of the information published in this list. Although due care has been taken in the compilation and presentation of the information on this list, the data upon which it is based may have changed in the meantime. In particular, but not excluding other possible factors, the software on the third-party product may have been modified unbeknownst to snom, resulting in restrictions to functionality up to and including loss of compatibility with the snom phone.

## GN Netcom/Jabra

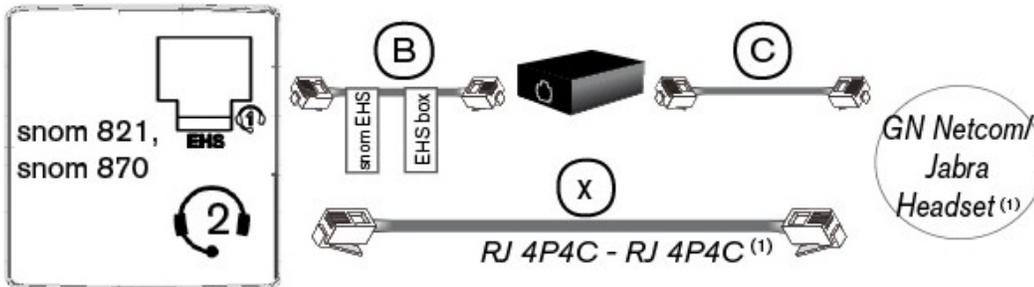
**i** For the list of tested and approved Jabra headsets please visit our dedicated [page](#).

**!** **Important note:** To shift between RHL/DHSG/AEI (different EHS modes) make sure that the headset is placed in the base during this operation. Please set the operating mode to "DHSG" (if available).

### Difference between standard interface and extended interface

Limitations of the standard headset interface: Headsets with the standard interface (like, for example, the GN9350) only listen for one command, and that is incoming call indication. It is not possible to control the headset from the phone and turn it on or off. To do that, you need a headset with the extended interface like, for example, the GN9350e. The snom EHS Advanced supports both the standard and extended interface.

## Connecting to snom 821/870 and D3xx/D7xx

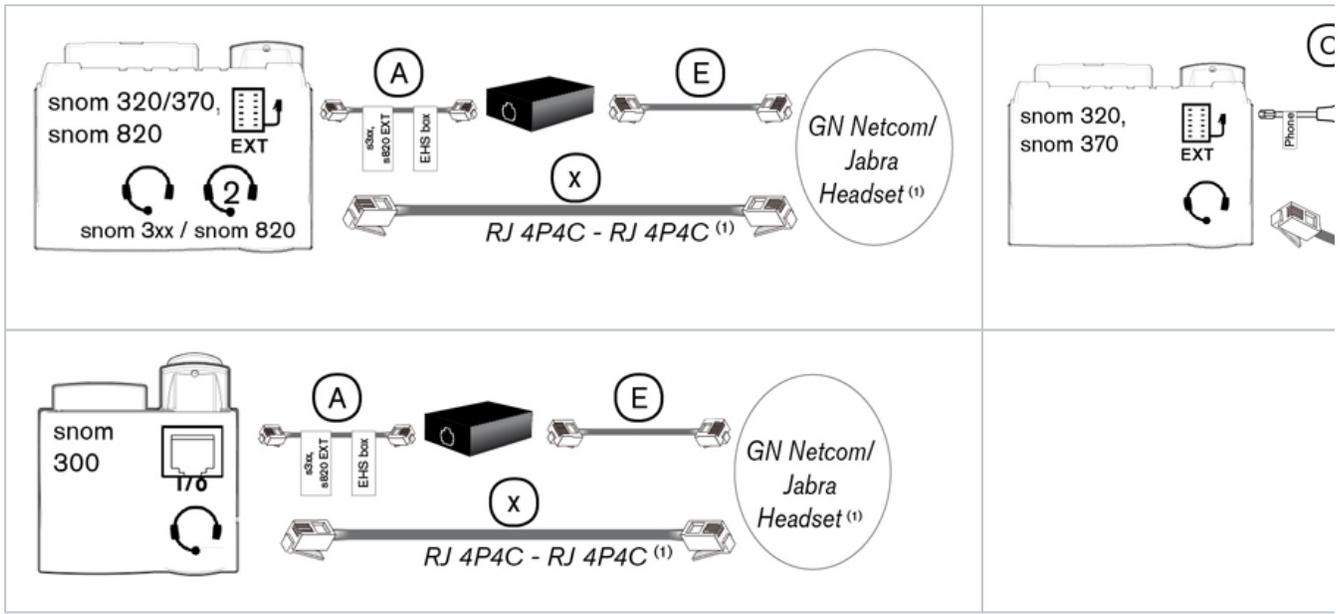


**i** <sup>(1)</sup> Headset, headset base station, and 4P4C-4P4C audio cable not supplied with snom EHS Advanced.

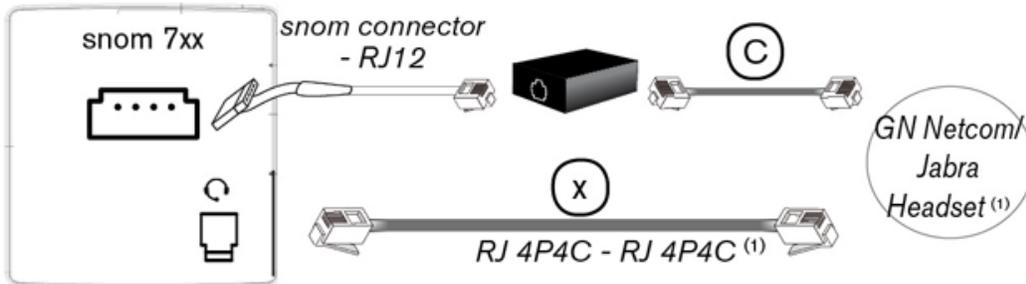
**i** **Note:** Foot stand needs to be removed temporarily for connecting the cable.

Here you can find older descriptions:

**Connecting to snom3xx, snom 820**



**Connecting to snom7xx**

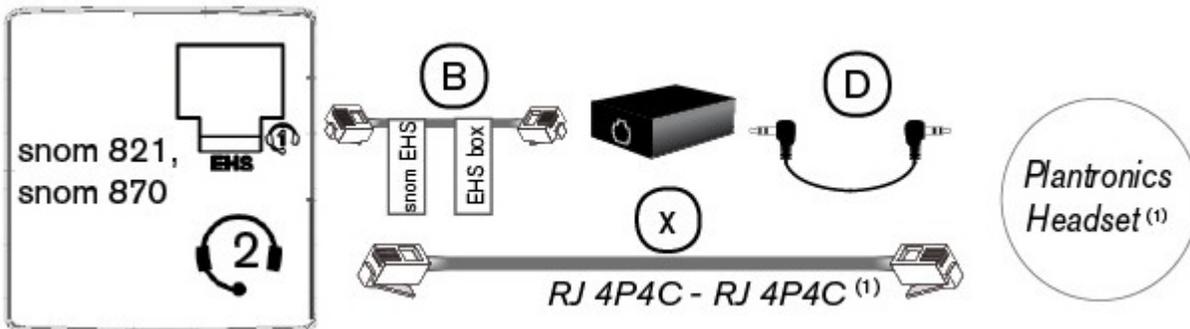


**i** (1) Headset, headset base station, and 4P4C-4P4C audio cable not supplied with snom EHS Advanced.

**Plantronics**

**i** For the list of tested and approved Plantronics headsets please visit our dedicated [page](#).

**Connecting to snom 821/870 and D3xx/D7xx**

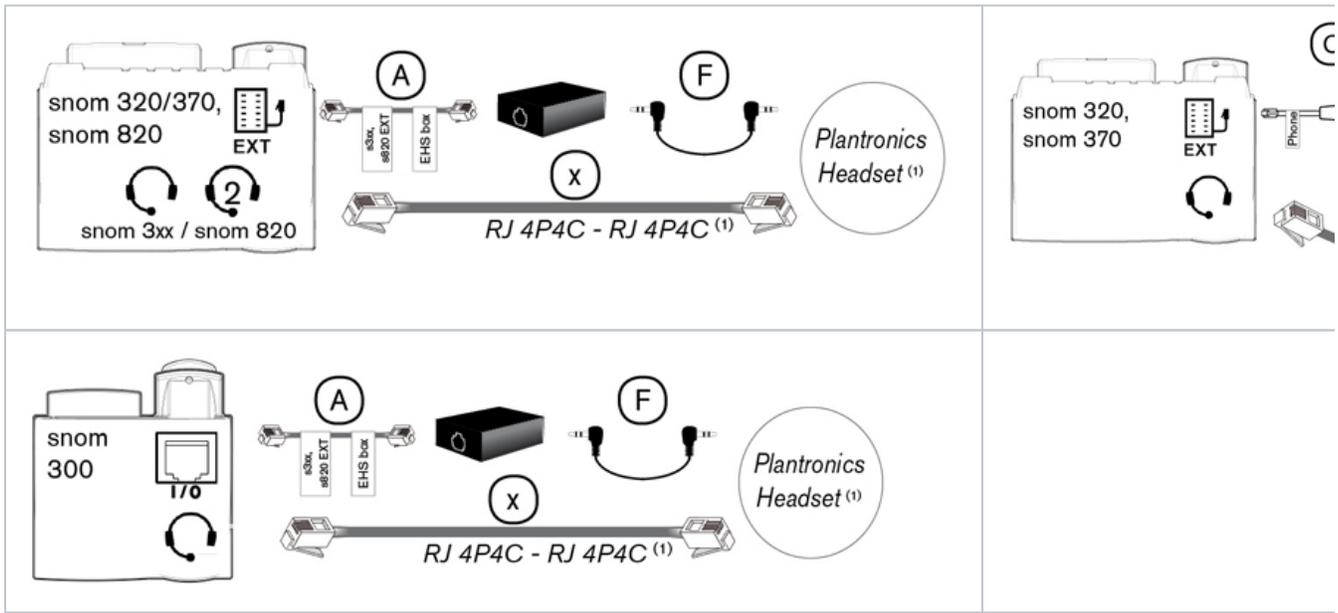


**i** (1) Headset, headset base station, and 4P4C - 4P4C audio cable not supplied with snom EHS Advanced.

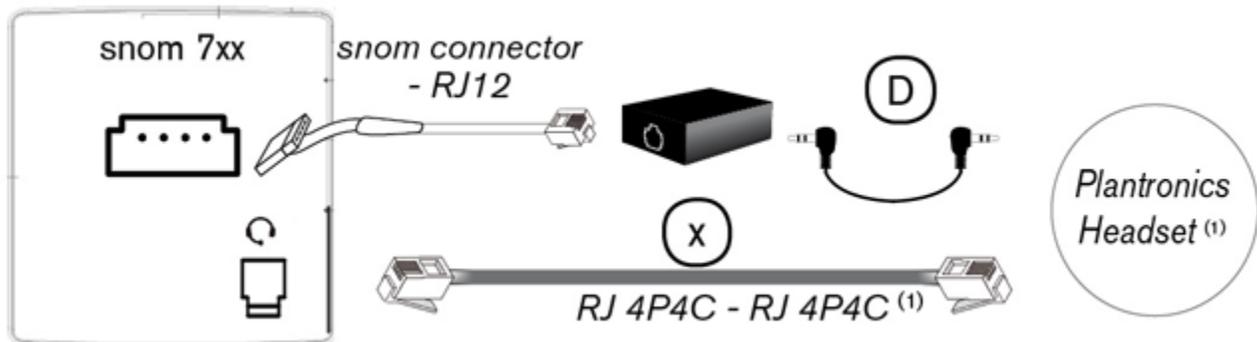
**⚠ Note:**

1. Foot stand needs to be removed temporarily for connecting the cable.
2. Please make sure to connect the cable as shown in the picture below.

**Here you can find older descriptions:  
Connecting to snom 821/870**

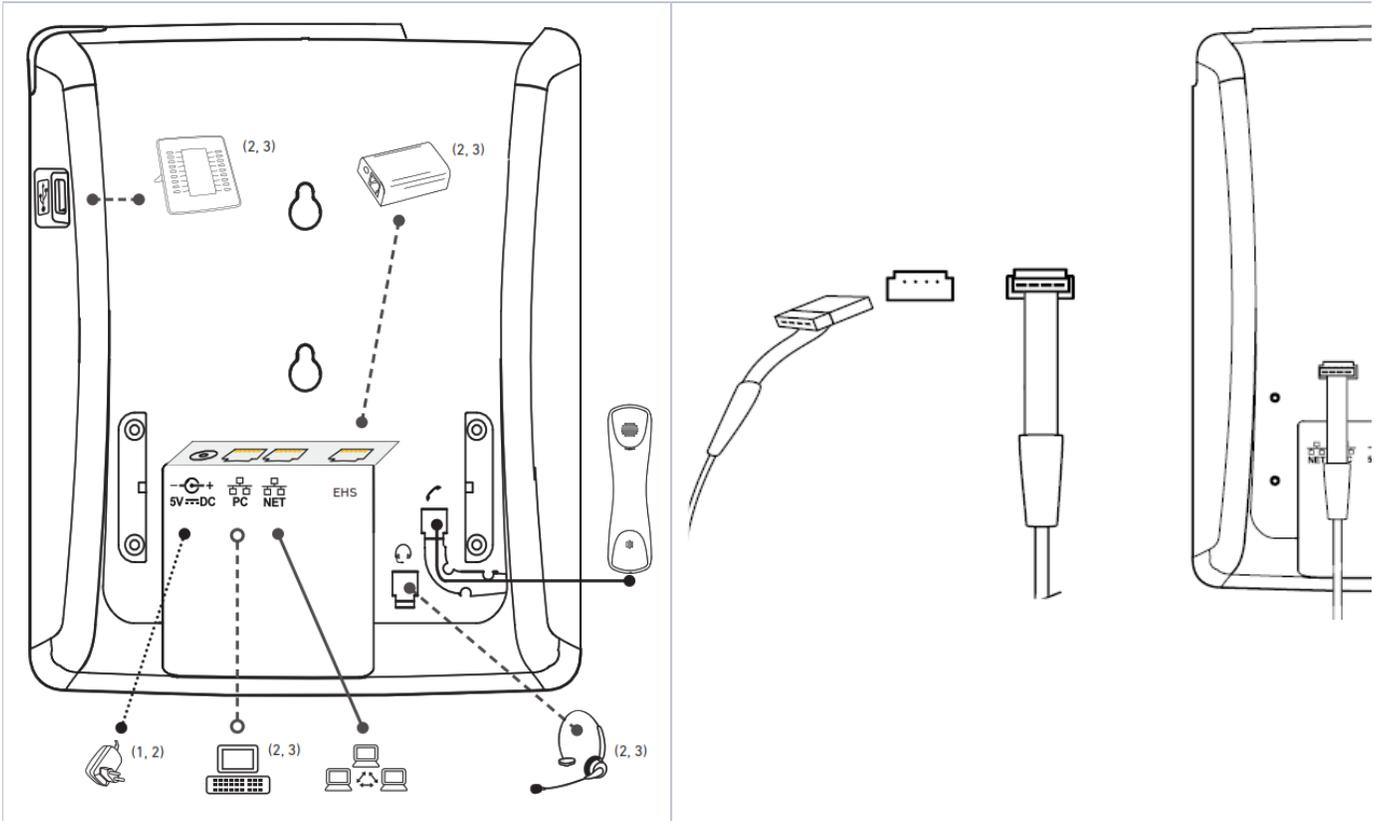


**Connecting to snom7xx**



Recent Snom Deskphones D3xx / D7xx

Older Snom Deskphones



**i** (1) Headset, headset base station, and 4P4C - 4P4C audio cable not supplied with snom EHS Advanced.

#### **!** Further Information

- [VoIP Essentials](#)
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- [A100M](#)
- [A150](#)
- [A170](#)
- [A190](#)
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- [A230 - DECT USB Dongle](#)
- [Can I use a wireless headset for my snom phone](#)
- [Headsets](#)
- [Headsets How-to](#)
- [How can I choose a proper headset for my Snom Phone](#)
- [How can I register the A170 DECT headset to its base?](#)
- [How can I register,deregister the A150 and the C52-SP on the A230 DECT Dongle](#)
- [How can I register,deregister the A150 on the A230 DECT Dongle](#)

- [How can I register,deregister the C52-SP on the A230 DECT Dongle](#)