



## Headsets

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Frequent telephone users are more than familiar with the dilemma of how to conduct a call and simultaneously write or enter data. Many agree they could often do with an extra pair of hands. The solution is simple: headsets - they leave your hands free while telephoning.

Users can do things like entering or checking information quickly and efficiently while talking on the telephone.

People in an increasing number of jobs, from telephonists to stock brokers and members of work teams, are discovering the light-weight headsets for themselves. Their main features are ease-of-operation and user-friendliness.

Telephone calls are more streamlined, which means they are shorter and so more economical - and the sound quality is excellent.

The ergonomically perfected design and individual adjustment of the earpieces and microphones ensure efficient and practical use of the telephone.

Users are shielded from disturbing noise, so hearing protection is optimal.

The receive volume setting is continuously variable.

You can switch between the telephone receiver and the headset or activate the mute function or even leave your desk without having to remove the headset simply by releasing the quick connector.

There are several connection options available:

- amplifiers on any telephone,
- adapters for the optiPoint and optiset E telephones,
- integrated connection for optiPoint 500 advance and optiPoint 600 office telephones.

## Functions

Headset accessories for the optiset E and optiPoint family of telephones are available with different connection options. The headsets are either connected to the handset interface via the universal 2001 Vista amplifier or via the 121 TR9-5 interface of the optiset E headset adapter or the optiPoint acoustic adapter. The 121 TR9-5 headsets can also be connected directly to the integrated headset interface of the optiPoint 500 advance or optiPoint 600 office telephones. Cordless headsets with an electronic hook switch (EHS) are also provided for optiPoint acoustic adapters. Depending on the particular application and environment, a range of headsets is provided to meet all the requirements of hands-free telephony.

Cordless headsets (121TR9-5\*) that are equipped with EHS for the optiPoint acoustic adapter require a supported feature on the communication platform side to enable the electronic hook switch function to answer or terminate a call via the mobile unit. You can obtain up-to-date information about this from your sales representative.

The optiPoint acoustic adapter was equipped with the 121TR9-5\* 8-pin interface to accommodate the EHS function. This interface is a 121TR9-5 interface that has been extended to include additional contacts (four contacts) and is designed for the insertion of an MW4/4 and an MW8/8 connector.

This means that cordless headsets can also be connected to an optiPoint acoustic adapter, optiPoint 500 advance/optiPoint 600 office with integrated headset interface, optiset E headset/headset plus/control adapter and handset interfaces of the optiPoint/optiset E families using the included MW4/4 connection cable without using the EHS function.

The 121 TR9-5 headsets and headsets of the same name for 2001 Vista are identical in design and style but differ in the implemented interface. This means that 121 TR9-5 headsets cannot be operated at the handset interface or vice versa. To avoid any confusion, quick connectors belonging to the 121 TR9-5 headsets are supplied with the same name imprinted on them.

## Cordless headsets (121TR9-5\*)

### with EHS for optiPoint acoustic adapter

Headset units designed in accordance with the DECT standard comprise a base station, mobile unit and headset, which afford users a wide mobile radius within which the most diverse tasks can be performed while the user is talking on the phone.

The electronic hook switch feature (EHS) used in conjunction with the optiPoint acoustic adapter allows signalled calls from a remote location to be answered and terminated by pressing a button on the mobile unit, as long as this function is supported by the communication platform.

### Ellipse 1.8 EHS

- DECT technology
- Range of approx. 30m in a typical office environment with a range warning tone
- Talking time 12 hrs.
- Standby 200 hrs.
- NiMH charging time 3 hrs.
- Ring tone setting
- Small, discrete mobile unit
- Receive volume setting
- Headset/handset selection key
- Mute function
- LED displays (base station and mobile unit)
- Modular cable for acoustic adapter
- MW4/4 connection cable
- Freely selectable headset with 121 TR9-5 interface\* for connection to the mobile unit (not included in delivery scope)

\* = possible options: Profile monaural, Profile binaural, 2100 FlexBoom NC Mono (recommended) or 2100 FlexBoom NC Duo



Mobile unit with 2100 FlexBoom NC Mono



## CA40 EHS

- DECT technology
- Range mode: users can select either high/low power mode - approx. 50m/20m in a typical office environment with a range warning tone
- Talking time 12 hrs.
- Standby 100 hrs.
- NiMH charging time 3 hrs.
- Ring tone setting
- Small, discrete mobile unit
- Receive volume setting
- Headset/handset selection key
- Audio configuration transmission level
- Mute function
- Pager function
- LED displays (base station and mobile unit)
- Auto configuration transmission level
- Modular cable for acoustic adapter
- Adapter cable for compatible 121 TR9-5 headsets\*
- MW4/4 connection cable
- Freely selectable headset with 121 TR9-5 interface\* for connection to the mobile unit (not included in delivery scope)

\* = possible options: Encore monaural, Encore binaural, Tristar, Supra or DuoSet.



## CA40 EHS Firefly

Same features as for the CA40 EHS, but the delivery only includes the Firefly headset suitable for CA40 EHS.

- As for CA40 EHS
- Includes Firefly headset
- Two wearing variants (headstrap/earpiece)
- Noise cancelling microphone
- Online indicator (optical call display)



## 121 TR9-5 headsets

### for optiset E headset adapters or optiPoint acoustic adapters or integrated interfaces

Headsets with a 121TR9-5 interface should be connected directly (i.e. not via an amplifier) to the relevant interface of the optiset E headset/headset plus/control adaptor, optiPoint acoustic adapter or the integrated headset interface of the optiPoint 500 advance or optiPoint 600 office telephone. The suitability of the headsets as a headset for the CA40 EHS or Ellipse 1.8 EHS mobile unit is specified in the relevant product descriptions. Connection cables for the adaptors, clothes clip and the quick connector are supplied with all headsets.

### Encore monaural

The Encore monaural headset offers a high level of convenience for the wearer. It provides a whole variety of adjustment options and the ear cushion can be moved in four directions.

- Voice pitch is adapted to the user's hearing to reduce stress. The pitch of normal voices can be set to a higher or lower level by simply changing the setting.
- 60 g (incl. quick connector)
- CA40 EHS compatible



### Encore binaural

The same as the Encore monaural, but designed for conducting telephone calls in a loud environment under difficult conditions.

- Two active earpieces for clear sound in both ears
- Adjustable voice pitch
- 83 g (incl. quick connector)
- CA40 EHS compatible



### Supra

The Supra is the classic headset model. Its most striking features are its robustness and easy handling.

- Adjustable fibre headstrap
- Multi-axis receiver with foam cushion
- Adjustable voice tube, rotatable in all directions
- One earpiece facilitates consultations with colleagues during a telephone call
- 57 g (incl. quick connector)
- CA40 EHS compatible



### Tristar

The Tristar is a highly adjustable headset. The three-point earpiece support ensures optimum fit and stability of this headset.

- Four different earpieces are included in the delivery scope.
- Can be worn on either ear
- Continuously adjustable
- 24 g (incl. quick connector)
- CA40 EHS compatible



### DuoSet

The DuoSet headset is not only light and elegant but can also be used as both an earstrap and a headstrap model.

- Adjustable headstrap and flexible earstrap, which can be adapted to every ear size and shape.
- Headstrap variant weighs 33 g
- Earstrap variant 47 g (incl. quick connector).
- CA40 EHS compatible



## Profile monaural

The Profile monaural is the most flexible of all the headsets. This headset is easily convertible to any of the three wearing variants by simply replugging the accessories supplied with the headset. The necessary accessories are included in the delivery scope.

- Microphone arm offers numerous adjustment options
- Weighs upwards of 30 g, depending on the wearing variant (incl. quick connector)
- Ellipse 1.8 EHS compatible



## Profile binaural

The Profile binaural headset is particularly well suited for use in a loud environment due to its high level of shielding.

- Two active earpieces for clear sound in both ears
- Elastic headstrap
- Microphone arm offers numerous adjustment options
- 54 g (incl. quick connector)
- Ellipse 1.8 EHS compatible



## 2100 FlexBoom NC Mono

The superbly designed 2100 FlexBoom NC guarantees optimum convenience for the wearer all day long. Three individual and exchangeable wearing variants are included in the delivery.

- FlexBoom for easy and quick positioning of the microphone
- NC microphone suppresses background noise
- Acoustic shock protection protects the ears in the event of sudden peak levels
- Weighs upwards of 36 g, depending on the wearing variant (incl. quick connector)
- Ellipse 1.8 EHS compatible (recommended)



## 2100 FlexBoom NC Duo

The same features as the Mono headset, except for

- Two active earpieces for perfect acoustic reproduction
- 47 g (incl. quick connector)
- Ellipse 1.8 EHS compatible



## 2001 Vista headsets for the handset interface

The 2001 Vista amplifier is a universal, modular adapter for the electro-acoustic adaptation of some headsets to the handset interface of numerous telephones. It is mainly used for solutions that are not equipped with a 121 TR9-5 interface. This includes, for example, analog telephones, the set telephone family, AC workstations, non-modular optiset E/optiPoint telephones and any modular telephones whose adapter slot has been assigned.

The packing unit of a headset comprises the following equipment:

2001 Vista headset unit with either Supra, Mirage, Tristar, Encore monaural or Encore binaural headset.

The only difference between these unit headsets and the previously described 121 TR9-5 headsets is the interface.

The Mirage headset is an exception to this rule because a 121 TR9-5 model does not exist.

## 2001 Vista amplifier

with 3m helix cable

- Configurable according to enclosed "yellow card"
- Function to switch from handset to headset
- Mute button on microphone
- Continuously variable receive volume setting
- Battery operation 2 x Mignon AA; 1.5 V; (approx. 1 year)
- Undervoltage signalling, On/Off LED



## 2001 Vista Mirage

Includes the Mirage headset, a stylish, unassuming headset that fits the ear perfectly.

- Easily adjustable ergonomic receiver
- Can be worn on each ear (also very suitable for spectacle wearers)
- 31 g (incl. quick connector)



### 2001 Vista Encore monaural

Same as the 2001 Vista Mirage, but with Encore monaural headset

### 2001 Vista Encore binaural

Same as the 2001 Vista Mirage, but with Encore binaural headset

### 2001 Vista Supra

Same as the 2001 Vista Mirage, but with Supra headset

### 2001 Vista Tristar

Same as the 2001 Vista Mirage, but with Tristar headset

## Headset adapters

### optiset E adapter

The optiset E headset adapter, optiset E headset plus adapter and optiset E control adapter (121 TR9-5) for headsets is a plug-in module designed for simple installation on the bottom of relevant optiset E advance, advance plus, advance conference or memory system telephones. Adjusting volume, activating the mute function and switching between telephone receiver and headset (headset button) are all done on the telephone.



### optiPoint acoustic adapter

The optiPoint acoustic adapter for corded (121 TR9-5) or cordless (121 TR9-5\*) headsets is a plug-in module designed for simple installation on the bottom of relevant optiPoint system telephones. The optiPoint 500 advance/optiPoint 600 office telephones only require the adapter to connect a cordless headset. Otherwise, the integrated interface can be used. Adjusting volume, activating the mute function and switching between telephone receiver and headset (headset button) are all done on the telephone.





## Technical data

### 121 TR9-5\* cordless headsets

Headset	Order no.
Ellipse 1.8 EHS	L30220-F600-H186
CA40 EHS	L30220-F600-H187
CA40 EHS Firefly	L30220-F600-H188
For technical data see: Erweiterte Schnittstelle 121 TR9-5 für drahtlose Hör-Sprechgarnituren (Issue 3, October 2001).	

### 121 TR9-5 headsets

Headset	Order no.
Encore monaural	L30460-X1282-X1
Encore binaural	L30460-X1282-X2
Tristar	L30460-X1282-X3
Supra	L30460-X1282-X4
DuoSet	L30460-X1282-X5
Profile monaural	L30460-X1283-X1
Profile binaural	L30460-X1283-X2
2100 FlexBoom NC Mono	L30220-F600-H184
2100 FlexBoom NC Duo	L30220-F600-H185
optiset E headset adapter (S30817-K7011-B804), optiset E headset plus adapter (S30817-K7011-B704) or optiset E control adapter (S30817-K7011-B504 for Hicom 300 V2.5 or later, Hicom 300 E V2.0 or alter or Hicom 300 H V1.0). optiPoint acoustic adapter (S30817-K7110-B508)	
For technical data see: Telekom Forschungs- und Technologiezentrum (Research and Technology Center), Ref. K 31, Hör-Sprechgarnituren für Telekom (Headsets for Telecomm.)– 121 TR9-5, Steinfurt, October 1994.	

### 2001 Vista headsets with amplifier

Headset	Order no.	2001 Vista (amplifier)	
2001 Vista Supra	L30460-X1050-X	<b>Battery</b>	
2001 Vista Mirage	L30460-X1050-X1	Operating life	approx. 1 year
2001 Vista Encore monaural	L30460-X1050-X3	Type of battery	2 x Mignon AA, 1.5 V
2001 Vista Encore binaural	L30460-X1050-X5	Undervoltage	Acoustic signal in the handset if the voltage is too low
2001 Vista Tristar	L30460-X1050-X7	On/Off	If the "Headset" key is not lit red, the batteries have been disconnected
		<b>Operating range</b>	
		Operating temperature	0° C to 50° C
		Storage temperature	- 40° C to + 60° C

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## Spare parts and accessories

You can obtain spare parts and accessories, such as ear cushions, ear knobs, clothing clips, kit for accommodating spectacles, quick connection clip, head-strap, and extension cord, via your contact at Siemens .

## Repair information

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