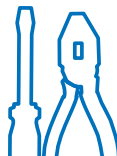


CONNECTION BOXES 100 m

CONTROL UNIT FOR SETTING DOWN SCG2229/SRG3900



INSTALLATION MANUAL



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This manual describes ...

... the **SELECTRIC connection boxes** for the Orca18 and Orca18-3 table-top operating units:

- Connection box 100m control unit, S/E side
- Connection box 100m control unit, BT-side

The connection boxes are used to operate/listen in on and discuss a Sepura SRG3900 or SCG2229 transceiver up to a maximum distance of 100 m.

Target group of this document

These instructions are intended for users who are trained in the use of radio technology.

Intended use

The connection boxes are used to loop the SRG3900 or SCG2229 loudspeaker into the system cable and to filter out audio interference.

Use is only permitted in closed rooms or vehicles.

Immediate loss of guarantee and warranty claims is the result of improper use - this includes:

- Use under environmental conditions other than those specified in the document
- Use in an ATEX environment
- Use in damp or dusty environments
- Use of accessories not intended by the manufacturer for connection to the appliance
- Modifications to the product not authorized by SELECTRIC
- Use for purposes other than those described in this manual

Improper use

Pictograms and symbols

The following hierarchically graded warnings are used in these instructions:



ATTENTION

This warning is used for important information and recommendations for use which, if ignored, may result in malfunctions or damage to property.



NOTE

NOTE indicates information that contains additional explanations of functions or tips on use.

Abbreviations/designations used

BT = Control panel

Orca = Office Radio Control Application

PTT = Push-to-Talk

S/E device= Transmitting/receiving device

Important notes on use ...



ATTENTION

Defect due to penetrating liquid!

Liquid penetrating the housing can cause the appliance to short-circuit, become damaged or defective. Avoid using liquids in the immediate vicinity of the device.

Damage caused by sharp objects!

The penetration of sharp objects can damage components in the housing. Prevent sharp objects from entering the openings of the device.

Damage due to high temperatures!

Avoid continuous operation or prolonged storage of the device at temperatures above 50 °C. The electronics may be damaged and the device may no longer function properly.

Scope of delivery

Components included in the scope of delivery

Components included in the scope of delivery of "Connection boxes 100 m control unit for removing the Sepura control units of the SRG3900/ SCG2229 incl. connection cables" (E65939):

- Connection box 100 m control unit, S/E side
- Connection box 100 m control unit, BT-side
- 1 m extension cable, D-Sub (15-pin) HD (m) D-Sub (15-pin) HD (f)
- 2 m extension cable, D-Sub (15-pin) HD (m) D-Sub (15-pin) HD (f)
- Speaker connection cable, 2-pin, 3.5 mm stereo jack plug straight - open end

Components not included in the scope of delivery

Orca18-3 (SELECTRIC art. no. 41800107)

- Up to 100 m long structured cabling (2 x CAT 5 cables or higher)

Power supply S/E device

Different cables are required to power the Sepura S/E device (SRG3900 or SCG2229). These are not included with the Orca18-3.

Depending on the S/E device used, the following cables are required for the power supply:

- When using the SRG3900 power supply cable 12 V / combined with Speaker connection (SELECTRIC art. no. 065918)
- when using the SCG2229 power supply cable (SELECTRIC item no. 41004927) and Speaker1/ I/O/ USB slave cable (SELECTRIC art. no. 41005106)

Connect the connection boxes

Two audio connection boxes are for the Orca18-3 up to a distance of 100 meters from the Sepura S/E device. The connection is established via CAT5 cable.

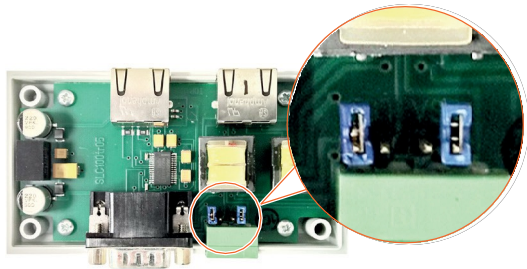
Prepare audio connection boxes

First you need to prepare the audio connection boxes. To do this, you must first set or remove jumpers in both boxes to configure the loudspeaker signals.

Proceed as follows:

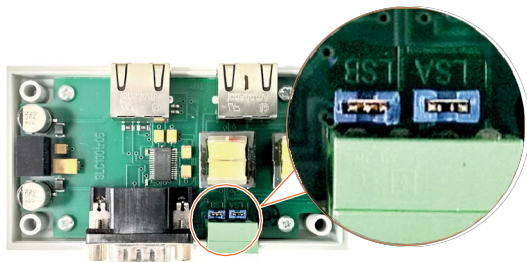
- Open the respective audio connection box.
- Remove the jumpers in the audio connection box to which the radio is connected as shown in the illustration.

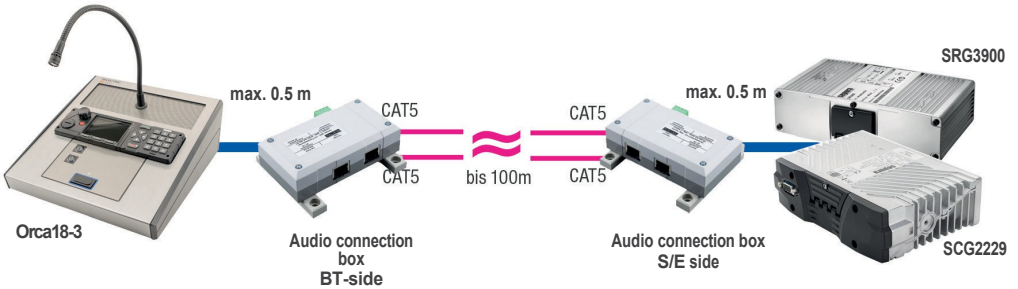
Audio connection box/
S/E side



Audio connection box/
BT-side

- Set the jumpers in the audio connection box to which the desktop control unit is connected as shown in the illustration.





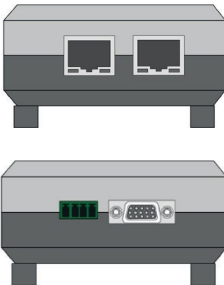
NOTE

The connection cables between Orca18-3 or Sepura S/E devices and audio connection boxes must **not be longer than 0.5 m**; otherwise there may be a loss of quality in the audio performance and display!

Step 1: Connect the audio connection box on the S/E side to

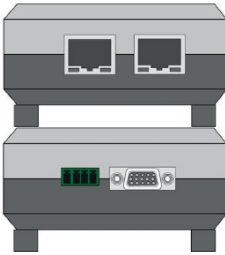
Connect to the audio connection box on the S/E side according to the label on the housing label:

- CAT5 cable for audio= Connection CAT5 cable audio
- CAT5 cable for control unit= Connection CAT5 cable control unit
- Audio cable (included in the scope of delivery) to the "Loudspeaker" connection and to the Sepura S/E device
- 0.5 m connection cable (included scope of delivery) between audio connection box S/E side and Sepura S/E device



Step 2: Connect the BT audio connection box to

Connect to the "BT-side audio connection box" according to the label on the housing label:



- CAT5 cable for audio= Connection CAT5 cable audio
- CAT5 cable for control unit= Connection CAT5 cable control unit
- 0.5 m connection cable (included included) between audio connection box, connection "Control panel" and Orca18-3

Step 3: Connect accessory components

- If necessary, connect optional components (e.g. a headset) to the respective connection sockets of the Orca18-3.

Step 4: Check correct installation

- Once all components have been connected correctly, the color control panel of the Orca18-3 starts automatically and displays the start screen.



NOTE

If the color control panel of the Orca18-3 does not start automatically, check that all connections and plugs are correctly seated.

Disposal

Notes on disposal

Old appliances



Please only dispose of electrical/electronic equipment in accordance with the statutory regulations. Please contact the manufacturer, your supplier or recycle the devices yourself in accordance with the German Electrical and Electronic Equipment Act (ElektroG) for environmentally friendly recycling.

Technical Data

- Connections
- Phoenix terminal strip: for connecting the loudspeaker signal
 - HD D-Sub connector (15-pin) Connection to SRG3900/SCG2229
 - HD D-Sub socket (15-pin) Connection to Orca18-3

Power supply Current 12 V/DC coming from the radio

consumption maximum 500 mA, stand-by 200 mA

Speaker power consumption: 1 x 8 Watt at 4

Protection class/protection type Ohm III / IP30

Weight approx. 110 g

Dimensions (Height including mounting brackets: 35 mm
Height without mounting brackets: 30 mm
Width including mounting brackets: 80 mm
Width without mounting brackets: 60 mm
Length: 100 mm

Temperature ranges Operation: -20 °C to +50 °C
Storage: -40 °C to +85 °C

Humidity 10 - 80 % RL, non-condensing

EU- Declaration of Conformity


SELECTRIC


EU – Konformitätserklärung

Die

SELECTRIC Nachrichten-Systeme GmbH

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erklärt hiermit, dass die Produkte

Anschlussbox 100m Steuerung, S/E-seitig

(Artikel-Nr.: 065760)

Anschlussbox 100m Steuerung, BT-seitig

(Artikel-Nr.: 065761)

Anschlussbox 10 m für Tischbedienkonsole von SELECTRIC

(Artikel-Nr.: 065755)

Audio-Anschlussbox für Tischbedienkonsole Orca18/1

(Artikel-Nr.: D00938)

auf die sich diese Erklärung bezieht, mit den Richtlinien

[2014/30/EU](#)

[2011/65/EU](#)

übereinstimmen und die folgenden Normen oder normativen Vorgaben erfüllen:

[DIN EN 55011](#)

[DIN EN IEC 61000-6-2](#)

[DIN EN IEC 61000-6-4](#)

[DIN EN IEC 63000](#)

Diese Erklärung verliert ihre Gültigkeit, falls die Produkte nicht fachgerecht installiert und wenn Änderungen an den Produkten vorgenommen werden.

Münster, 31. August 2023


Hendrik Pieper
Geschäftsleitung


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Technischer Leiter

Notes

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