



3M™ PELTOR™ SCU-300 EU System Control Unit

Product Description

Utilizing near field magnetic induction, the 3M™ PELTOR™ System Control Unit helps to improve cable management through cord-free connection to the 3M™ PELTOR™ ComTac™ VII Headset, and 3M™ PELTOR™ Tactical Earplugs, TEP-300. There is also a port for an optional wired connection to the 3M™ PELTOR™ ComTac™ VII Headset.

Key Features

- Near field magnetic induction (NFMI)
- Optional wired connection
- Three com ports for radios and intercom systems
- Handles multiple radios with multiple channels
- Three sound profiles, Mix - Surround - Single
- Cable free connection to ComTac VII and TEP-300
- Bluetooth® technology for wireless connection to external devices (select model)
- The SCU can be remotely operated via a wireless remote control unit



Applications

The SCU enables wireless communication that removes the cable(s) between the headset and PTT (Push to talk), helping to increase overall mobility. Additionally, the system comes equipped with a new remote PTT, that can be mounted on the weapons rail – giving operators the capability to transmit and adjust volume without having to remove their hand from the weapon.

Standards and Approvals

3M Svenska AB declares that the Bluetooth® headset is in compliance with Directive 2014/53/EU and other appropriate directives to fulfill the requirements for the CE marking. The full text of the EU declaration of conformity is available at the following internet address: www.3M.com/peltor/doc



Near Field Magnetic Induction



Bluetooth® Technology
(select models)

Military Approvals

Tested according to the applicable parts of MIL-STD-810G, EMC-MIL-STD-461G.

Environmental Performance:

Tested in accordance with MIL-STD-810G

Models:

Part Number	Description	Legacy 3M ID	SAP ID	Color
SCU-300EU CY	3M™ PELTOR™ System Control Unit, Coyote Brown	UU010934899	7100223392	
SCU-300EU WS GE	3M™ PELTOR™ System Control Unit, Grey, Bluetooth®	UU010934816	7100224666	

Accessories and Spare parts

Part number	Description	Legacy 3M ID	SAP ID
RCU-300EU/1	3M™ PELTOR™ Remote Control Unit, RCU-300EU	UU010934915	7100224667
FE0344/1	3M™ PELTOR™ Spring steel bracket for RCU-300	UU010967618	7100226974
DE0408/1	3M™ PELTOR™ SCU-300 Battery cap	UU010967634	7100228540
TKD8003/1	3M™ PELTOR™ SCU attachment Clip	UU010965505	7100228539
DE0437/4	SCU dust cap (4 caps)	UU010958724	7100227470
DE0438/1	SCU cable dust cap	UU010955944	7100228566

Radio Cables - SCU-300

Part number	Description	Legacy 3M ID	SAP ID
SCU-FL001	SCU-FL001, HELICOPTER LOW IMPEDENCE	UU010965554	7100227473
SCU-FL002	SCU-FL002, LVIS EUR	-	-
SCU-FL003	SCU-FL003, MBITR MARITIME, 10 pin	-	-
SCU-FL006	SCU-FL006, AN/PRC-163	-	-
SCU-FL009	SCU-FL009, AN/VIC 3	-	-
SCU-FL030	SCU-FL030, MOTOROLA GP340	UU010965760	7100228538
SCU-FL040	SCU-FL040, MBITR, HARRIS 5800, LVIS USA	UU010965752	7100227451
SCU-FL042	SCU-FL042, NOKIA THR880	UU010958716	7100227351
SCU-FL052	SCU-FL052, THALES PR4G	UU010965745	7100227450
SCU-FL063	SCU-FL063, MOTOROLA MTRTRBO	UU010963666	7100228537
SCU-FL101	SCU-FL101, SEPURA STP	UU010963658	7100231760
SCU-FL090	SCU-FL090, Smartphone, 3,5 mm	UU010963641	7100228536
SCU-FL018	SCU-FL018, Motorola XTS1500 / HT1000	UU010958732	7100233149

* Modern military communication radios can have different configurations depending on how it is programmed. Users are advised to connect headsets and SCU to actual radio and configuration being used, in order to test functions and features before purchase.

Technical Specifications

SCU Power:

Battery Type:	2 x AAA
Operating time:	Approximately 30 hours

RCU Power:

Battery type:	Button cell
Operating time:	Approx. 1600 Hour Battery life (2 replaceable coin cell batteries)

Bluetooth® Technology* :

Bluetooth version:	4.2
Bluetooth headset profile (HSP):	1.2
Bluetooth hands-free profile (HFP):	1.6
Bluetooth Range:	Up to 10m (class 2)

*Only applicable to SCU-300EU WS GE

Near Field Magnetic Induction (NFMI):

Transmission rate:	596 kbit/s
Range:	Approximately 50 cm
Frequency:	9.8 - 11.7Mhz

Environmental Characteristics:

Operating temp:	-20 to +55°C
Shelf Life:	5 years, excluding batteries
Waterproof Rating :	IP68 compliant

Physical Characteristics:

SCU Size:	L: 110mm W: 75mm H: 36mm
Weight:	218g
RCU Size:	L: 61mm W: 41mm H: 24mm
RCU Weight:	51g

Recommended Storage Conditions:

5 years:	In door controlled climate (<90% humidity)
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User limitation: Never modify or alter this product

In the box

1 x SCU-300
1 x RCU-300
2x AAA Batteries
1 x User Instruction

Warranty:

The warranty does not cover any damage caused by neglected maintenance or careless handling.
For more information on maintenance, please see the user instruction.
For complete warranty condition, contact your dealer or local 3M office

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M.

The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



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