



360 Franklin Street, Box 15054, Worcester, MA 01615-0054 U.S.A.
 TEL: (508)751-5800 E-Mail: sales@davidclark.com FAX: (508)753-5827
 Visit our web site at <http://www.davidclark.com>

SERIES 6600i HEADSETS AND RADIO ADAPTERS

(Intrinsically Safe Approved)

OPERATING INSTRUCTIONS



Questions? Contact David Clark Company Customer Service
 Email: service@davidclark.com
 Tel: 800 298-6235
 Fax: 508 751-5858

REVISION	DESCRIPTION	APP	DATE
01	PER ECN 13046	WBSVL	10/10/03

WARNING: THE "RADIO ADAPTER - BODY PTT" IS INTRINSICALLY SAFE (I.S.) WHEN CONNECTED TO AN INTRINSICALLY SAFE APPROVED RADIO. WHEN CONNECTED TO A NON-I.S. RADIO, THE RESULTING SYSTEM IS NOT INTRINSICALLY SAFE.

WARNING: WHEN THE "RADIO ADAPTER - BODY PTT" IS CONNECTED TO AN INTRINSICALLY SAFE APPROVED RADIO, THE RESULTING INTRINSIC SAFETY LEVEL IS THAT OF THE LOWEST OF THE TWO.

WARNING: THE VOLTAGE RATING OF THE RADIO BATTERY SHOULD NOT EXCEED THE VOLTAGE RATING SHOWN ON THE "RADIO ADAPTER - BODY PTT" INTRINSIC SAFETY APPROVAL LABEL.

WARNING: THE "RADIO ADAPTER - BODY PTT" DOES NOT CARRY ANY BATTERIES OR ANY USER SERVICEABLE PARTS. TO MAINTAIN INTRINSIC SAFETY, THE UNIT MUST NOT BE TAMPERED WITH IN ANY WAY.

Approved and listed by Intertek Testing Services for use in the following Hazardous (classified) locations WHEN connected to a listed intrinsically safe portable radio, powered as per the rating on the "RADIO ADAPTER - BODY PTT" label:

Class I, II, III, Division 1, Groups A, B, C, D, E, F, G T4

Certified to CAN/CSA Std. C22.2 No. 157-92.
 Conforms to ANSI/UL Std. UL-913, 5th edition.

TOLEANCES UNLESS OTHERWISE SHOWN:	DRAPER	DATE	CHECKED	DATE FOR APPROVAL
FRACTIONS: N/A	JO	4/23/03	TS	4/03
DECIMALS: N/A				
ANGLES: N/A				

David Clark Company Incorporated

DATE FOR APPROVAL: 4/03

DATE: 4/03

CODE IDENT NO 71483

CONTROL DRAWING
 RADIO ADAPTER - BODY PTT, Series C6600i

DRAWING
 06600G-01
 PAGE 1 OF 1 REV 01

USE WITH THE FOLLOWING APPROVED ACCESSORIES ONLY

M77 Electret Microphone

TM-5 Throat Microphone

TM-6 Throat Microphone

In-Line Speaker (optional)

Speaker

HEADSETS	HEADSETS	DComSet
H6610i H6611i	H6615i H6616i	CS6601i
H6620i H6621i	H6625i H6626i	CS6602i
H6630i H6631i	H6635i H6636i	CS6603i
H6640i H6641i	H6645i H6646i	CS9604i
H6670i H6671i	H6675i H6676i	CS6605i
H6690i H6691i	H6695i H6696i	CS6606i

RADIO ADAPTER - BODY PTT
 MODELS No.: C6601i through C6699i

PORTABLE RADIO TRANSCIVER

RADIO CONNECTOR

ALTERNATE RADIO CONNECTOR

EXAMPLE OF

REMOTE PTT PUSH BUTTON

SERIES 6600i HEADSET AND RADIO ADAPTER OPERATING INSTRUCTIONS

1. Read Control Drawing 06600G-01 for connection instructions and warning notes.
2. Connect C6600i Radio Adapter to your radio.
3. Place radio in a pocket or belt mounted holster.
4. Adjust the 360 degree rotating clip on the Push-To-Talk (PTT) Module and attach for easy access at chest or belt level.
5. Place the Headset on the head and adjust support assembly for optimum fit and comfort. Headset can be worn with or without a hardhat type safety helmet.
6. The boom microphone must be positioned zero to 1/8" from lips at corner of mouth for best signal to noise ratio (maximum noise cancellation).
7. The microphone boom assembly can be rotated 180 degrees for a right or left position. The nape spring must also be rotated to accommodate the change in microphone boom positioning.
8. Connect the in-line Switchcraft connector (from radio adapter) to the headset mounted mating connector. Ensure that the connectors are properly "keyed" and secure. The black button must return to the locked "UP" position for indication of secure connection.
9. Cables have been kept to a minimum length to reduce hazards caused by snagging, however to ensure you have a full range of movement, do not over-tighten cables.
10. To field test the H6600i Headset and C6600i Radio Adapter a second radio is required set at the same channel as the radio attached to the C6600i Radio Adapter. Turn both radios ON, push the C6600i PTT switch and talk. Position the boom microphone for best clarity and noise cancellation. (see Item 6. above)
11. **Handy Tips for good communication:**
 - Adjust the volume on the radio so it is comfortable.
 - Instruct the user to speak at a normal level.
 - Try to avoid shouting as this may somewhat distort the output of the microphone.
 - (In high noise areas people have a tendency to shout to communicate, this is not necessary when using a close talking noise canceling microphone.)
12. **Use in explosive atmospheres:** The Series C6600i Radio Adapter is **Intrinsically Safe Approved**. The radio adapter has been tested to the highest level of I.S. Approval, including dust atmospheres. This allows it to be connected to any Intrinsically Safe Approved portable radio. Once connected, **the resulting I.S. rating is that of the lowest of the two devices.** **IMPORTANT**, read Control Drawing 06600G-01

WARNINGS: The Series C6600i is intrinsically safe (I.S.) when connected to an intrinsically safe approved radio. When connected to a non-I.S. radio. The resulting system is not intrinsically safe.

Series C6600i is not approved for use in oxygen enriched atmospheres.

Do not re-wire Series C6600i for use with a radio other than that for which it was originally intended.

Do not connect or disconnect Series C6600i to/from a radio while in an atmosphere known to be hazardous.

Do not use equipment that is damaged (cracked or broken housings, cable entry grommets/strain reliefs, cables).

The Radio Adapter Body PTT does not carry any batteries or any user serviceable parts. To maintain intrinsic safety, the unit must not be tampered with in any way.

13. **Remote Push-To-Talk** capability is built into each Series C6600i Radio Adapter. A selection of Remote PTT switches are available to make communicating in harsh or difficult environments easier. Remote PTT switch plugs into the socket on the bottom of PTT Radio Adapter housing.
14. Maintenance on the Series C6600i Radio Adapter is minimal. The Radio Adapter has no batteries to change and the housing is made of fire retardant material, it is waterproof and extremely rugged. Washing and cleaning for hygiene purposes should be done as required. There are no field replaceable parts.
15. Maintenance of the Series H6600i Headset. Reference the Illustrated Parts Breakdown with Electrical Schematic, Fit and Maintenance Instructions packaged with the Series H6600i Headsets.
16. Routine Checks:
 - Check that the housing of the Radio Adapter is not damaged (cracked or broken).
 - Check that the rubber cable-entry grommet on top of the Radio Adapter housing is not cracked and has no cuts.
 - Check that the cable strain relief on the bottom of the Radio Adapter housing is not broken or loose.
 - Check that there are no cuts gouges on the cables.

WARNING: Do not use if the unit fails any of the checks indicated above.

17. Repairs to the C6600i Radio Adapter. The Radio Adapter is a sealed unit and **MUST NOT** be opened. Failure to comply with this instruction may invalidate the intrinsic safety approval.

Should repairs to the Series C6600i Radio Adapter become necessary, please contact David Clark Company, Customer Service Department at 800-298-6235.