



Full Function Crew Station - FFCS/L

FFCS/L provides the interface to the system for two of the vehicle crew members, allowing each crewmember to have independent control of the communication options and the volume of the connected headset. A digital noise tracking VOX and the use of Active Noise Reduction (ANR) headsets ensures high intelligibility under high noise environments.

The compact nature and two independent user capability is ideal for vehicles with limited space such as HMMWV's and Land Rovers.

It provides the user with access to two intercom channels and up to six onboard radio transceivers. The two intercom channels allow vehicular crew to be independent of infantry crew allowing two independent full duplex intercom channels in the vehicle.

Transmission on the selected 'work' channel is enabled by the push-to-talk (PTT) switch mounted on the headset.

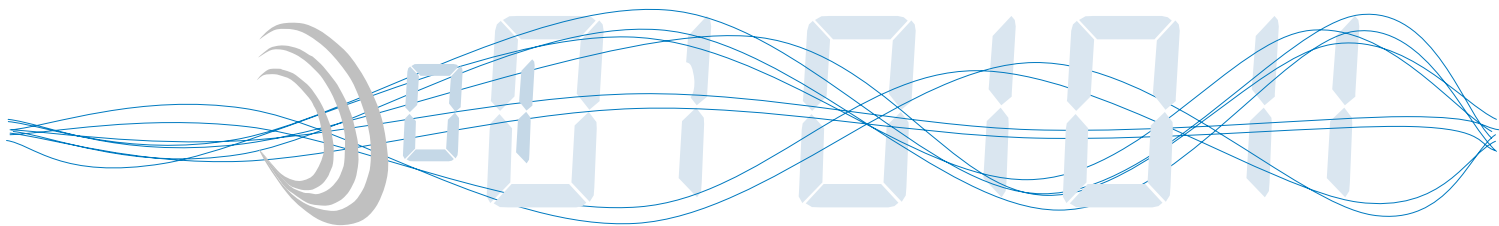
The FFCS/L can also be used in ROVIS and AN/VIC-3 systems where space is of a premium. No changes are needed to any of the equipment and the FFCS/L can provide additional capabilities.



Armoured Personnel Carrier – APC

In APC's the inclusion of the FFCS/L allows the infantry squad to communicate on their own private intercom (INT2) this leaves the vehicular crew, driver, commander, gunner the freedom to communicate on the INT communications channel. Intercommunication between both intercoms is achieved either by the FFCS/L user selecting INT or by use of the Override position for any user.

With the FFCS/L up to ten full duplex independent users can be added to a ROVIS or AN/VIC-3 system.



CHELTON Defence Communications Ltd

Haslingden Road Blackburn

Lancashire United Kingdom BB1 2EE

T// +44 (0) 1254 292010 F// +44 (0) 1254 292035 E// sales@cheltondc.com W// www.cheltondcweb.com

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Specifications and Standards

Chelton products are designed and independently tested to international standards.

Environmental

Reliability (MTBF) - MIL-HDBK-217

Environmental - MIL-STD-810E :

Low Temperature (-40°C Operational, -57°C Storage, Method 502.3, Procedure I and II)

High Temperature (Hot, Method 501.3, Procedure I and II)

High Temperature plus Solar Radiation (+71°C, Method 505.3, Procedure I and II)

Humidity (Method 507.3, Procedure I and II)

Atmospheric Pressure (945 to 1060 millibars)

Elevation (Method 500.3, Procedure I and II)

Sand & Dust (Method 510.3)

Rain (Method 506.3, Procedure I)

Salt Fog (Method 509.3 Procedure 1)

Immersion (Method 512.3, Procedure I)

Vibration (Method 514.4, Procedure 1, Category 8)

Shock (Method 516.4, Procedure IV and VI & MIL-S-901)

Fungus (Method 508.4)

Explosive Atmosphere (Method 511.3, Procedure 1)

Electromagnetic Compatibility - MIL-STD-461C

Part 4 (CE01, CE03, CE07, CS01, CS02, CS06, RE02, RS02 and RS03)

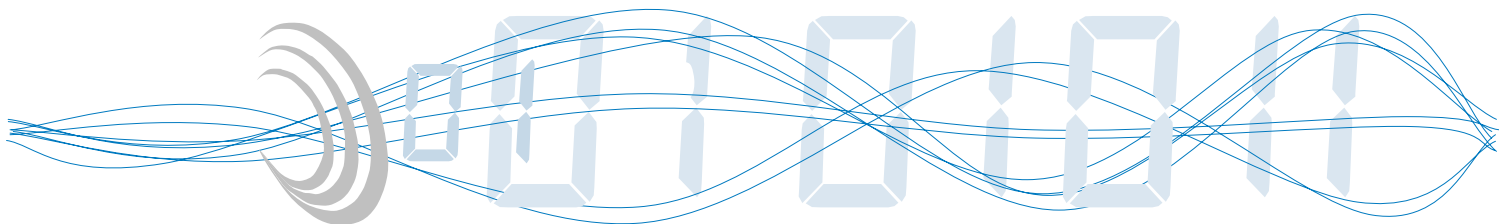
Electromagnetic Pulse - MIL-STD-461C part 4, (RS05 and CS11)

Electrostatic Discharge - IEC 801-2:2, level 4

Rapid Speech Transmission Index (RASTI)

Mechanical Dimensions and Weights

Height (mm)	Width (mm)	Depth (mm)	Mounting (mm)	Weight (kg)
78	140	115	140	0.9



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