



MORTAR FIRE CONTROL SYSTEM

The Mortar fire control system is a fully integrated fire control system which enables effective, responsive and accurate fire for Mortar systems.

Capable of providing rapid firing solutions to all known smooth bore mortars system links observers with command post nodes and weapons.

The system comprises a Mortar Fire Controller (MFC) platform, a Mortar Command Post (MCP) platform and a Mortar Data Unit (MDU) platform.

Voice and data communications from MFC to MCP is by Combat Net Radio and voice and data communications from the MCP to the MDU is by Data Enabled Personal Role Radios





Mortar Fire control System comprises three main components, each with specific functions, they are;

Mortar Fire Controllers System (MFC)
Mortar Command Post System (MCP)
Mortar Data Unit System(MDU)

Mortar Fire Controllers System (MFC): he MFC system is located with the Mortar Fire Controller/Forward Observer and is designed to rapidly and accurately acquire targets by day or night.
Target information is converted to fire missions and transmitted to the MCP system by Combat Net Radio.

Mortar Command Post System (MCP): The MCP system is located at the Mortar Command Post/Fire Direction Centre and is designed to receive fire missions from the MFC system by Combat Net Radio.
Fire missions are converted to ballistic firing data and transmitted to MDUs, located at individual barrels by Personal Role Radios.

Mortar Data Unit System (MDU): The MDU system is located with each mortar barrel and is designed to receive and display ballistic firing data from the MCP system by Personal Role Radio.
All three main components above interact in both directions with each other to provide one complete indirect fire control system.
This system allows for the rapid and accurate response to a call for fire.

The mortar fire control system is modular and, as a system, can be added to or subtracted from to suit user requirements.

SPECIFICATIONS

Size: Computer: 236mm x 128mm x 43mm
MDU: 230mm x 260 x 100

Weight: Computer: 750g
MDU: 3.5Kg

Power Source: Computer: 1 x 3.6v Ni-MH battery
MDU: 3 x D size alkaline battery

Operating Temperature: -30°C to 60°C

Immersion: All components within the system are waterproof



***Mortar Fires
System and
MDU***



Mortar Fire Handheld Computer



***System with connected DEPRR and Safran
Vectronix Moskito***