

/COMBINER BOX.®



INTRODUCTION

This manual contains all information required for the intended use of the equipment. Deviation from the described intended use can result in a hazardous situation and/or property damage.

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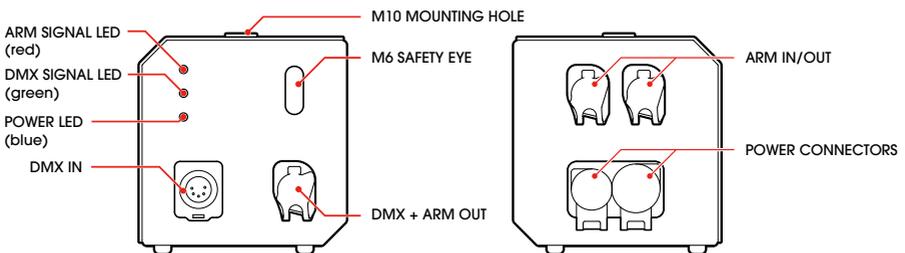
DESCRIPTION

Product code	MF3225	Size (LxWxH)	15 x 3.5 x 13.5 cm
Voltage	100 – 250 Vac	Weight	1.6 kg
	50 / 60 Hz	Mounting options	M10 insert
Power consumption	50 W	Power connector	Neutrik® powerCON TRUE1 (in)
Protection	Rainproof	ARM / DMX+ARM connector	Neutrik® etherCON, RJ45 (in&out)

Technical data

The COMBINER BOX is a splitter and booster device for the safety signal of the ARM SYSTEM. The COMBINER BOX acts as a slave of the connected ARM CONTROLLER, which is the master of the safety line.

The COMBINER BOX is also capable of combining the ARM signal input with a DMX signal, into a DMX+ARM output. Furthermore, it provides a boosted output signal to overcome signal loss over long cable runs.



Main parts

LED indicator	Light	Meaning
ARM signal LED	Off	The system is disarmed: The SFX machines cannot be operated.
	Red	The system is armed: The SFX machines can be operated normally.
	Red flashing	The emergency stop button is actuated or a line interruption outside of the controller is detected. The output of the SFX machines is disabled.
DMX signal LED	Green	The COMBINER BOX is receiving a DMX signal.
Power LED	Blue	The COMBINER BOX is connected to a power supply.

LED indicators

For more information about the ARM SYSTEM and to learn how to configure a complete safety system, refer to the ARM SYSTEM Configuration Manual (PART02323).

For more information about the ARM CONTROLLER and to learn how to correctly set up and use the ARM SYSTEM, refer to the ARM CONTROLLER User and Installation Manual (PART01882).

INSTALLATION

⚠ WARNING

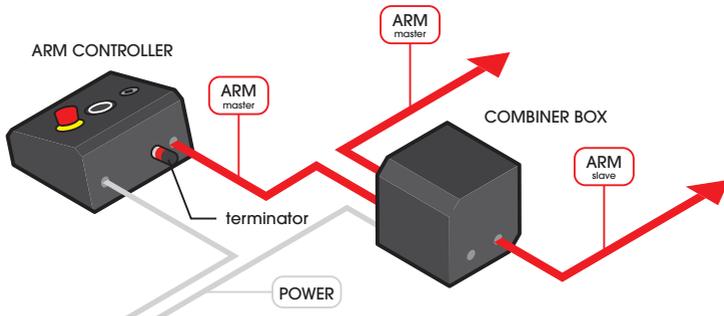
Make sure that you are familiar with and comply with the instructions from the user and installation manuals of each relevant ARM SYSTEM component and each connected SFX machine.

NOTICE

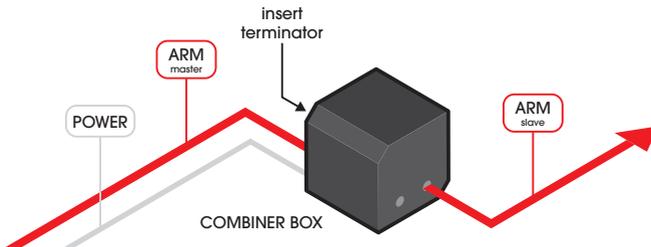
Insert a TERMINATOR in the last ARM output of each master and each slave line to close the safety circuit. The ARM SYSTEM will not work when a line remains open.

Install the COMBINER BOX in the ARM safety circuit and connect the COMBINER BOX to a power source. Check the following installation variants for connection details.

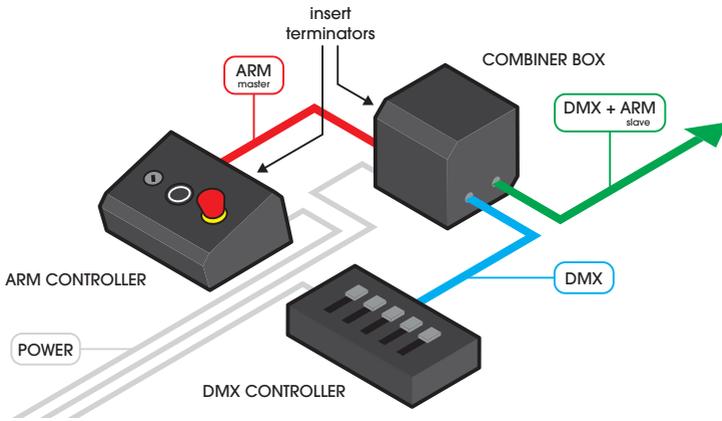
- A** Use the COMBINER BOX to split the ARM signal into a master line and a slave line. The slave signal is also boosted in this setup.



- B** Use a dedicated COMBINER BOX to boost the ARM signal.



C Use the COMBINER BOX to combine the DMX signal and the ARM signal.



SOFTWARE SETTINGS

Make sure that the DMX/RDM settings on each SFX machine matches your wiring setup. If the DMX signal runs separately over 5-pole XLR cables, make sure that XLR is selected as DMX INPUT in the menu. If a combined DMX and ARM signal runs over the ARM data (EtherCON) cables, make sure that ARM is selected as DMX INPUT in the menu.

CORRECT DISPOSAL



This symbol on the product and / or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product to designated collection points where it will be accepted free of charge. Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.