

AMBUS KIT

A TURNKEY SOLUTION FOR MASS CASUALTY TRANSPORT AND RESPONSE

The AmbuBus® Kit, available exclusively from First Line Technology, is an effective and efficient solution for mass evacuation, shelter-in-place, and transport of special needs patients, casualties, and those who require non-ambulatory transport. The AmbuBus Kit will quickly and easily retrofit vehicles of opportunity (like school or metro buses) into mass casualty transport vehicles, or it can be used free-standing to bunk patients or responders. The modular design of a standard AmbuBus consists of a two-frame kit that can be configured to carry up to 18 non-ambulatory patients. The all-inclusive Bus Stretcher Conversion Kit® contains everything needed to assemble the frames – no power tools required – and is both ruggedized and palletized to allow for quick, simple logistics for pre-positioning and emergency response.

Uses: Mass Casualty Transport, Mortuary Response, Surge Capacity, Special Needs Evacuation

AMBUS HIGHLIGHTS

- ✦ Installs around seats, vents, and wheel wells
- ✦ Accommodates NATO regular or oversized stretchers
- ✦ Illustrated instructions
- ✦ Assembles in two hours
- ✦ Ruggedized transport kit
- ✦ Minimal maintenance
- ✦ Adjustable to fit most vehicles of opportunity
- ✦ Use free-standing or in transport vehicles
- ✦ Multiple configurations
- ✦ Includes all installation tools

MASS CASUALTY TRANSPORT INFORMATION

All-Hazards Response

As cities prepared for the 2005 hurricane season (which included Hurricanes Katrina and Rita), many found it difficult or impossible to evacuate the special needs population from hospitals and other long-term care facilities. In New Orleans, hundreds of buses that could have been converted were left in the flood plain and were eventually ruined due to water damage. The AmbuBus makes mass evacuation of non-ambulatory persons efficient, effective, affordable, and simple using those very buses. In addition to hurricanes, the AmbuBus is ideal for disaster planning and preparedness for:

- H1N1 & Pandemics
- Earthquakes
- Mass Casualty Incidents
- Hospital Evacuations
- Tsunamis
- Tornadoes

Ambulance Limitations

Ambulances are capable of transporting only two patients per trip, making them inefficient and costly to operate during mass casualty incidents. Most large buses can be retrofitted with one AmbuBus Kit (two frames) to transport up to 18 stretcher-bound patients when the majority of bus seats are removed. These configurations leave ample room for medical personnel and equipment. AmbuBus installation can be customized to allow for space for additional medical staff, ambulatory patients, wheelchairs, and more.

Bus Availability

Regardless of a locality's size, there are always buses available for public or student transportation needs. By incorporating these buses and the AmbuBus Kit into disaster plans, communities can be more prepared to help those with special needs. Localities can store palletized, stackable AmbuBus Kits in bus depots to allow for easy installation in case of disaster or mass casualty incident.

Quick, Simple Installation

Once the seats are removed from the bus, it takes two people one hour to install two frames for a full AmbuBus deployment. The AmbuBus Kit comes with illustrated instructions and an Installation Tool Kit that includes all the hand tools necessary to install the kit. Power tools maybe be used, but are not required.

Easy and Low-Maintenance

Maintenance on kits is minimal because the AmbuBus Kit has no moving parts and is designed to have a long shelf life. The frame is made of structural steel that is zinc coated to allow for long-term storage without rusting.

AMBUS PRODUCT INFORMATION

ITEM	ITEM ID
AmbuBus - 2 Frame Kit	SEMS-558090
Customized AmbuBus	Call for information



Product information and specifications may change without notice. Products shown in pictures may vary.
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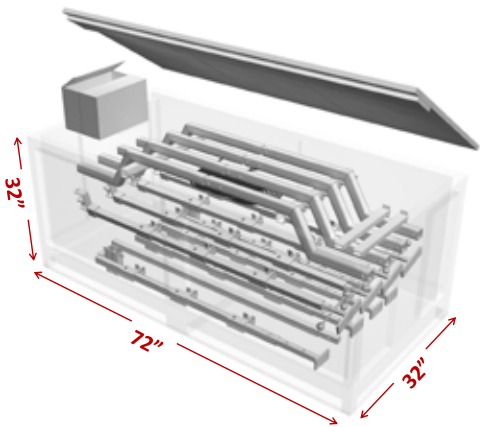
Out of the Box Solutions

www.AMBUBUS.com

AMBUS SPECIFICATIONS

A TURNKEY SOLUTION FOR MASS CASUALTY TRANSPORT AND RESPONSE

AMBUS CRATE DIMENSIONS



Easy Transport and Storage

The all-inclusive, palletized crate allows for easy transport, movement, and storage. AmbuBus™ crates are also stackable.

Storage Requirements

The AmbuBus Kit should be stored out of the natural elements. The crates are constructed of wood and should be kept in a facility that is free of termites and other wood-eating insects.

Width	72" (183 cm)
Depth	32" (81 cm)
Height	31" (79 cm)
Weight	840 lbs. (381 kg)

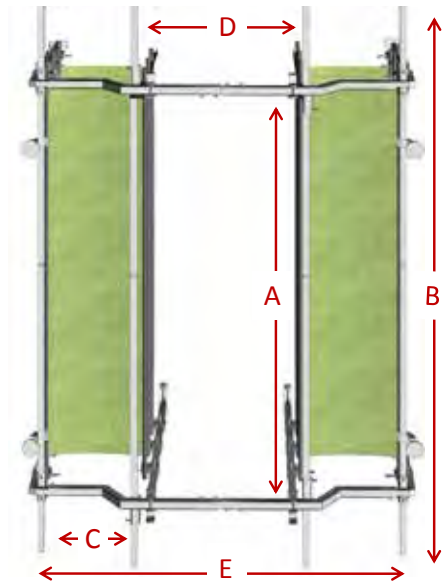


AMBUS FRAME SPECIFICATIONS

	LABEL	STANDARD	MIN	MAX
Stretcher Stand Length	A	83" (211 cm)	5" (13 cm)	118" (300 cm)
Frame Length*	B	122" (310 cm)	--	--
Stretcher Stand Width	C	--	20 1/2" (52 cm)	30" (76 cm)
Aisle Width*	D	--	24" (61 cm)	64" (163 cm)
Frame Width*	E	--	79" (201 cm)	105" (267 cm)
Frame Width with Wall Mount	--	--	82" (208 cm)	112" (284 cm)
Frame Height*	F	--	66" (168 cm)	105" (267 cm)
Frame Height with Ceiling Mount	--	--	69" (175 cm)	112" (284 cm)
Material	--	Zinc-Coated Structural Steel		

All measurements are approximate.

*Frame can be cut to length.



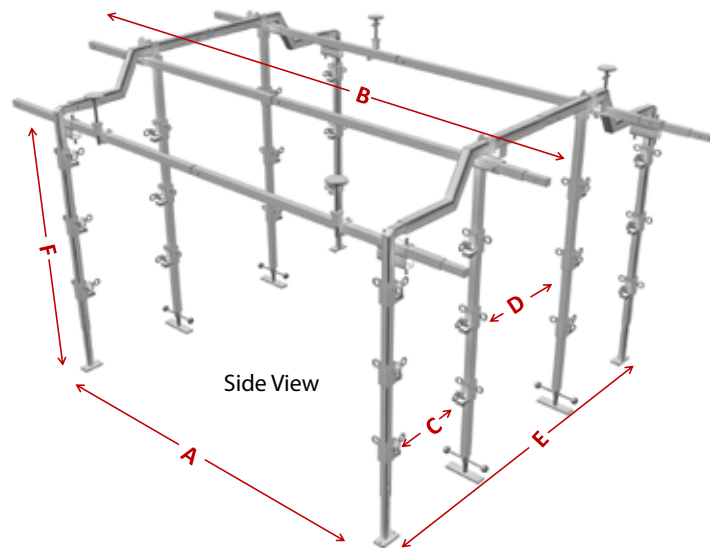
SAMPLE AMBUS PACKAGE

DESCRIPTION	ITEM ID	QTY
AmbuBus (2 Frame Kit)	SEMS-558090	1
AmbuStretcher	SEMS-558080	12
AmbuPillow	SEMS-558070	12
AmbuRamp	60-3015-P	1
Accessory Mount (optional item)	55-01-023	12
Training	61-01-000	1
Travel for Training	61-01-001	1

This AmbuBus Package is suitable for 12 non-ambulatory patients plus medical personnel and equipment.

Customization

The AmbuBus can be customized in accordance with specifications unique to any locality or organization. Contact a First Line representative for more information.



Product information and specifications may change without notice. Products shown in pictures may vary. ©2010 First Line Technology, LLC M05_04112014



AMBUS ACCESSORIES

A TURNKEY SOLUTION FOR MASS CASUALTY TRANSPORT AND RESPONSE

The AmbuBus™ has standard interchangeable accessories and support equipment to further increase comfort and provide a higher level of patient care. A suite of ruggedized, palletized equipment has been designed to support the AmbuBus and those it carries. First Line can develop a customized package unique to any disaster plan using the AmbuBus and its accessories.

AMBUSTRETCHER

Item ID: SEMS-558080



A ruggedized stretcher for mass evacuation and transport of non-ambulatory patients and casualties. It integrates with the AmbuBus, and is designed to NATO specifications. Each folds for compact storage and is easily decontaminated. Weight capacity: 500 lbs.

WHEELCHAIR PACKAGE

Item ID: 55-06-001 (for 1 wheelchair), 55-06-000 (2), or 55-06-002 (3)



Modular package installed to the AmbuBus frame to provide adequate space to safely accommodate up to three wheelchair bound patients.

AMBUPILLOW

Item ID: SEMS-558070



A reusable pillow that ties directly to the AmbuStretcher. It is made of foam encased by PVC-coated polyester, which allows for cleaning, decontamination, and reusability while providing a long shelf-life.

MINI SUPPORT LEG

Item ID: 55-01-025



Enables the bottom-most AmbuStretcher in an AmbuBus frame to be used as a seat for first responder rehabilitation. The Mini Support Leg increases the center weight capacity to hold up to three responders with gear.

AMBURAMP

Item ID: 60-3015-P



Reduces effort required to load and unload wheelchairs and stretchers from AmbuBuses. Made of 6061 aircraft grade anodized aluminum, it can support up to 2,000 pounds of distributed weight. Rolls up for quick storage and is man portable for rapid deployment.

FRAME ACCESSORY MOUNT

Item ID: 55-01-023



Mount is used to secure oxygen tanks, crash carts, battery packs, and AmbuBus accessories. It uses a ratchet strap to assure that all accessories are tightly secured to the AmbuBus frame.

AMBULIGHT

Item ID: 62-01-001



Stringable LED Lighting with dim controls and plug 'n' light power adapters for 12v/110/220. The lights are made to military specifications and magnetically connect to the AmbuBus frame or bus.

MASS CASUALTY OXYGEN SYSTEM

Item ID: 61-001-01



The MCOS simultaneously administers oxygen for up to nine patients. Includes canvas bag, regulator, flowmeter, nipple adapter, D-block, hose assembly, adapter branch tee, adapter elbow and instructions. (Cylinder not included.)

OTHER ACCESSORIES

Contact First Line Technology for More Information

The AmbuBus is highly customizable and with the use of specialized accessories, can be designed to perfectly fit the needs of nearly any disaster preparedness and response plan. Several popular accessories not detailed on this page include: disposable linens and blankets, mattresses and moisture pads, shelter-in-place equipment, patient restraints, AmbuPower, GoTo Medical Bag, and advanced life support (ALS) equipment. Custom parts and accessories can also be manufactured on demand.



AMBUBUS FREQUENTLY ASKED QUESTIONS

A TURNKEY SOLUTION FOR MASS CASUALTY TRANSPORT AND RESPONSE

What can the AmbuBus Kit be installed inside?

The AmbuBus™ Kit expands in length, width, and height for installation into most types of school buses, transit buses, shipping containers, trucks (i.e. U-Haul), or any other vehicles of opportunity. It can also be cut to fit customized specifications.

Can the AmbuBus Kit be used free-standing?

Yes, the AmbuBus Kit has functionality outside of a transport vehicle. The kit can be used as sleeping quarters or staging areas for responders and evacuees, inside medical tents for casualties, and/or for mortuary affairs.

How many patients can be transported simultaneously using the AmbuBus Kit?

The number of patients who can be transported in one vehicle depends on the installation configuration used. One standard kit allows for up to 18 non-ambulatory passengers. One wheelchair package allows for up to three wheelchair bound patients. All configurations allow for medical personnel and equipment.

2 Frames = 1 Standard Kit

1 Frame → 2 Litters, Above Seats
→ 6 Litters, Comfortably
→ 9 Litters, Maximum

Do the bus seats have to be removed in order to install the AmbuBus Kit?

No, the AmbuBus Kit can be installed over standard seats in school and other transport buses. (See photo at right.)

How long does it take to install an AmbuBus Kit?

Once the seats are removed from the bus, it takes two people about an hour to install two frames using the hand tools provided. Seat removal depends on bus type and takes 45 minutes to two hours.

Is the structural integrity of the vehicle changed with the installation of the AmbuBus Kit?

No, the installation of the AmbuBus kit does not require any changes to be made to the vehicle itself. The AmbuBus installs using pressure fittings (see photo at right) that allow installation without drilling any holes, which ensures that the vehicle can return to performing its primary function.

What types of stretchers can be used with the AmbuBus?

The AmbuBus is designed to accept most standard NATO regular and oversized stretchers with a 1.5" diameter handle, like the AmbuStretcher. These are commonly used by US Military and first responders.

What is the AmbuBus frame made of?

The frame is made of zinc-coated structural steel to allow for long-term, rust-free storage.

Is the AmbuBus Kit reusable?

Yes, the AmbuBus can be disassembled, stored, retrieved, and re-installed for multiple uses. The steel frame is easily decontaminated, allowing for reuse after the kit has been used or exposed to medical contamination and/or CBRN materials.

What training is required before assembling the AmbuBus Kit?

First Line Technology provides a fee-based training seminar upon request. Training can take place either at the purchaser's location or at First Line's Northern Virginia training facility.



FOR MORE INFORMATION...

Please visit us online at www.AmbuBus.com

Grant guidance, videos, purchasing information, and more images are always available online.



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