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ShowMaster Enclosed Sound Shell Community Stages Mobile Stage Features

Century's **ShowMaster Sound Shell Stages** offer professional, outdoor staging, with weather protection for your performers, a visually attractive, sound projecting backdrop for your audience, quick, effortless set-up for your staff, and security for your equipment - **versatility, flexibility, control** and **security** for your remote site events.

Canopy - the ShowMaster's one-piece canopy offers protection from sun and precipitation when opened. It may be positioned past horizontal for maximum height and visibility.

Unique to the ShowMaster stage is a canopy that projects beyond the front edge and sides of the stage deck, providing full protection for the performers.

The ShowMaster's canopy may be closed and secured with the stage deck remaining in the open position,



allowing the stage and its contents to be secured without first requiring removal of stairs, extension section, stage skirt, or other equipment.

Canopy Safety Locks - in addition to the system's inline integral hydraulic locks, ShowMaster stages are equipped with back-up mechanical canopy lock which secure the canopy in the open position. Once open, the canopy can not be closed until the mechanical locks are manually placed in the "unlocked" position.

This serves a dual purpose. If the hydraulic lines were to be cut or damaged, allowing the hydraulic fluid to drain from the system, the canopy would remain in place. Second, it prevents unauthorized operation of the stage. Together these two operational features offer safety and peace of mind not found in other mobile stages.

Locking mechanical & electrical compartments - two (2) curb-side frame-mounted aluminum compartments house the stage's mechanical and electrical components, providing easy, convenient access for service, plus security.

With the mechanical items installed in a single location, there is no need to search through the stage looking a component. The large compartment door offers easy access for service.

The key locking compartment door discourages unauthorized tampering or theft.

Canopy Lighting - fluorescent canopy mounted lighting is included with all ShowMaster stages. Dual-tube fluorescent fixtures are mounted along the inside leading edge of the canopy and along the canopy hinge line. This arrangement provides illumination of the entire stage deck while shielding the lights from shining in audience eyes.

When desired, optional supplemental theatrical lighting is also available. But since not all of your events call for fancy, sophisticated lighting, it is nice to know that where ever you take the ShowMaster stage, you already have basic, durable, easy to operate, built in lighting ready to operate from 120VAC power.



Stage Deck - ShowMaster stages feature a folding stage deck that is the same length as the fixed deck. For example, for the MSM2800 ShowMaster Stage both the front folding deck, and the rear fixed deck are 28 feet long. No additional sections need to be positioned and leveled to produce the full rated stage length.

For the operator this means faster set up, while eliminating extra seams at the two front stage deck corners.

The ShowMaster stage deck is dampened, composite, all-weather construction, with a slip resistant surface pattern. It features a neutral gray surface color for a significantly lower summer surface temperature compared to typical black stage decks. A welcome and much appreciated feature for dance or tumbling types of performances.

Deck Support Truss (optional) - replaces the standard multiple leveling/support legs with a full-length support truss featuring two-point leveling. As the deck lowers, control arms automatically extend the support truss, keeping it perpendicular to the ground.

In addition to significantly expediting the leveling process by eliminating multiple leveling points, the support truss holds the deck flat, totally eliminating any waviness from the deck surface.

Corner Leveling Jacks - the leveling/support jack located at each corner of the ShowMaster stage main frame pivots 90 degrees.

When pivoted to horizontal for transport, this provides maximum ground clearance, eliminating towing damage. This is especially appreciated when towing over curbs or unimproved park grounds.

When pivoted to vertical for stage set up, the jack foot is initially positioned closer to the ground, eliminating extensive cranking to reach ground level, while also providing additional jack travel for leveling on sloped terrain by providing more jack adjustment travel.



By pivoting the corner leveling jacks the ShowMaster stage provides can better handle irregular ground during set up, while also eliminating the possibility of snagging a jack on a curb or sidewalk during towing.

Note that the jacks are mounted on the exterior of the stage frame instead of interior as found on other stages. This geometry offers a wider stance for increased stability, contributing to the ShowMaster's greater wind load capacity.

Intermediate Frame Jacks - since ShowMaster stages are frequently operated on soft ground surfaces, mounted approximately mid-frame on both sides are intermediate support jacks that help distribute stage loads over additional area, providing extra support and stability while reducing the impact on the environment.

The intermediate support jacks help to retain the ShowMaster's stable, solid, no-bounce stage feel , even when set up on other than hard surface areas. These supports contribute to the ShowMaster's greater wind capacity when operated on soft surfaces.

FRP Exterior Walls - the exterior wall, canopy, and roof panels of the ShowMaster stage are FRP (fiberglass reinforce plywood). What you see is a uniform, smooth surface that is visually attractive and perfect for large promotional graphics. What you get is a rugged, high-strength, all-weather panel, that is ideal for outdoor staging.

FRP panels are highly resistant to damage. With conventional construction, if you were to brush against a tree limb while towing through a park, you are likely to cause a crease or tear in the exterior skin. With the ShowMaster's FRP surfaces, you may have some bark to clean off.

Know what you are getting - some manufacturers use the FRP designation to refer to fiberglass reinforced plastic panels. These panels have nowhere near the same strength or impact resistance. Investigate before you buy.

Speaker Cabinet Construction - the composite wall



Smooth Exterior Panels

Sound Reflective Wall Panels
Neutral Gray Interior

and roof panel construction of the ShowMaster stage produces an active sound shell that reflects sounds generated on the stage deck toward the audience without distortion. Adjustable canopy and optional end acoustic panels allow directional control of this reflected sound.



Small events with only moderate sound amplification can be heard and enjoyed by the audience.

Neutral Gray Color - the interior of the ShowMaster stage is a neutral gray, enhancing skin tones while eliminating the harsh reflected glare typical of white interior wall panels.

Steel Channel Main Frame - dual steel channels form the base for the ShowMaster main frame. What you experience is a solid, stable, no-bounce stage.

Rugged Equalizer Suspension - ShowMaster stages are equipped with leaf spring equalizer suspensions. Century specializes in mobile units, and has decades of experience with a variety of suspension systems. For this particular application, Century has selected an equalizing leaf spring as the best suspension for the following reasons:

Frequently mobile stages are towed over curbs and off road. A weight distributing suspension with equalizer spreads the stage weight among the axles and tires, and does not overload any single component.

While a rubber-ride suspension (Torflex) offers independent axle action, it does not equalize the towing loads. When climbing a curb, the weight of the stage is placed entirely on the elevated wheels and axle. Often there will be daylight under the other set of tires. In the case of a tandem axle trailer, the weight on the loaded axle and tires has been doubled. Also, if the stage is not level (towing hitch too high or too low) a disproportionate amount of the trailer weight will be placed on either the front or rear axle and tires, resulting in overloading and an unsafe towing condition.

Leaf spring suspensions are straight forward, rugged,



low-maintenance assemblies, capable of withstanding both highway and off-road towing conditions, providing years of dependable low-maintenance service.

Tires - ShowMaster stages are equipped with highway rated tires, with electric brakes on all wheels.

Highest wind load rating - ShowMaster stages offer the highest independently certified wind load rating for enclosed sound shell mobile stages.

Optional Equipment - ShowMaster stages offer the widest selection of optional features and equipment, many not available elsewhere, allowing you to assemble a mobile stage package geared for your communities events.

Simple One-Person Push-Button Stage Set Up

Century ShowMaster Sound Shell Stages are equipped with a built-in hydraulic actuation system powered by an on-board 24 VDC electric system.

Once positioned and leveled, stage set up is a fast, easy, one-person, push-button operation, as the work of opening the stage canopy and lowering the folding stage deck is accomplished by the hydraulic system.

Step 1 - Open and secure the adjustable end acoustic panels.

Step 2 - Unlock the stage canopy

Step 3 - Raise the canopy to full extension

Step 4 - Lower the stage deck

Step 5 - Level the stage deck

Step 6 - Attach stairs, deck extension sections (as required), perimeter stage skirt.

Step 7 - Enjoy the show

