



Mobile Video Studio

MS-900



INSTRUCTION MANUAL

[http:// www.datavideo-tek.com](http://www.datavideo-tek.com)

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Warnings and Precautions

The MS-900 is heavy – approximately 70Kg. A minimum of 2 people are required to lift or move this product. The MS-900 should be always lifted and placed in an upright position; do not place or try to move the unit in any other position as damage or injury could result. There are two carry handles on either side of the product, please use these handles to safely share the weight between the people lifting the MS-900. Always use a trolley to safely transport the MS-900 over distances of 2 metres or more.

1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit in wet conditions or near water.
5. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
6. Slots and openings on the top, back, and bottom of each cabinet are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
7. This unit should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
8. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, damaged, stretched or otherwise stressed.
9. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord's rating.
10. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.
11. Never push objects of any kind into any of the units through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into any of the units.
12. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.
13. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:
 - a. When the power cord is damaged or frayed;
 - b. When a liquid has been spilled into any of the units;
 - c. When any of the units have been exposed to rain or water;
 - d. When the unit does not operate properly under normal operating conditions. Adjust only those controls that are covered by the operating instructions in the respective instruction manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;
 - e. When the product has been dropped or the cabinet/screen has been damaged;
 - f. When the product exhibits a distinct negative change in performance, indicating a need for service.

Warranty

Datavideo warrants that the equipment it manufactures shall be free from defects in material and workmanship for a period of 12 months from the date of product purchased. If equipment fails due to such defects, Datavideo will, at its option, repair or provide a replacement for the defective part or product. Equipment that fails after the warranty period, has been operated or installed in a manner other than that specified by Datavideo, or has been subjected to abuse or modification, will be repaired for time and material charges at the Buyer's expense. This warranty does not affect your statutory rights within the Country of purchase.

Disposal



For EU Customers only - WEEE Marking.

This symbol on the product indicates that it cannot be treated as household waste. It must be handed over to the applicable take-back scheme for the recycling of waste electrical and electronic equipment. For more detailed information about the recycling of this product, please contact your local Datavideo office.

MS-900 Packing List & Accessories

MS-900 case including the following factory fitted and pre-cabled items

- 1x TLM-170 Monitor
- 1x DN-500 Recorder
- 1x ITC-100 Talk back system
- 1x Control Panel (SE-900 Mixer)
- 1x Base Unit (SE-900 Mixer)
- 1x RP31 – Rear connection plate for Talk back system
- 1x PD-1 – Rear mounted power distribution unit
- 2x Removable case cover (Front and Rear)

MS-900 Manual Binder containing

- 1x MS-900 Instruction Manual
- 1x SE-900 Instruction Manual
- 1x TLM-170 Instruction Manual
- 1x ITC-100 Instruction Manual
- 1x PD-1 Instruction Manual
- 1x DN-500 Instruction Manual
- 1x DV file converter software on CD-ROM disc
- 1x RP-31 Fitting Instructions
- 1x RP-28 Fitting Instructions

ITC-100 / RP-31 Accessories

- 1x MC-2 Goose neck MIC
- 1x LP-1 Goose neck LED light
- 8x TD-1 Tally LED with Black Velcro strap 36cm
- 8x GPI Cable 1.2M for TD-1
- 8x MC-1 Headsets
- 8x ITC-100SL belt pack
- 8x CB-3 XLR 5pin cable 20M
- 8x CB-17 Headset adapter cable for ITC-100SL

DN-500 Accessories

- 2x HE-1 2.5" HDD enclosure (w/o HDD fitted)
- 1x Y type USB cable (for mounting HDD enclosure to computer)
- 2x HD Label (small)
- 2x SD Label (small)
- 4x Blank sticker
- 10x Screw M3*4mm Silver (spare)
- 2x ISO screw 2*8mm Black (spare)

Other Accessories

- 1x AC Power Cord
- 1x CB-10 YUV cable
- 1x S-Video (Y/C) cable
- 2x BNC to BNC composite cable
- 1x RCA/Phono L+R to RCA/Phono L+R cable

- 30x 120mm cable tie (spare)
- 10x 200mm cable tie (spare)
- 10x Anti-vibration screw + M5*10 washer Black (spare)
- 1x Hexagonal screw driver/Allen Key (for M3*6 screw)
- 1x Hexagonal screw driver/Allen Key (for M5*5 screw)

Introduction

The Datavideo MS-900 mobile video studio is a ready to go solution; it will save a lot of your valuable time when setting up or breaking down in the field. To get the most out of this product please read this user manual, and the other associated user manuals supplied within the Manual Binder to familiarise yourself with all the products within the MS-900.

Installation

Transportation & Placement

The MS-900 is heavy – approximately 70Kg – Do not attempt to lift or move it on your own.

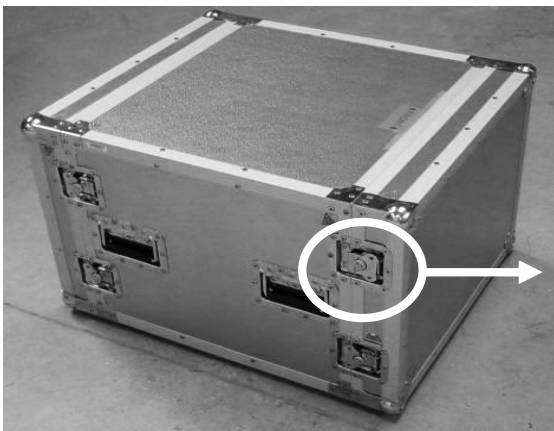
A minimum of 2 people are required to lift or move this product. There are two carry handles on either side of the product, please use these handles to safely share the weight between the people lifting the MS-900. Always use a trolley to safely transport the MS-900 over distances of 2 Metres or more. The MS-900 should be always lifted and placed in an upright position; do not place or try to move the unit in any other way as damage or injury could result.

Place the MS-900 on a strong, stable, flat surface that is capable of supporting the weight.

Do not use a folding or single leg table to support the MS-900.

Opening the case

On each side of the MS-900 case there are wing nut clasps securing the front and rear covers.



Undo each clasp by folding the wing nut out and then rotating it. The clasp can then swing free of the catch.

Once undone you can then remove the front and rear covers:



Front



Rear

Unpacking the SE-900 Control Panel Keyboard

The SE-900 Control Panel Keyboard is held in its shipping position by a securing bolt on either side. To lower the Control Panel first remove the securing bolts as indicated below.



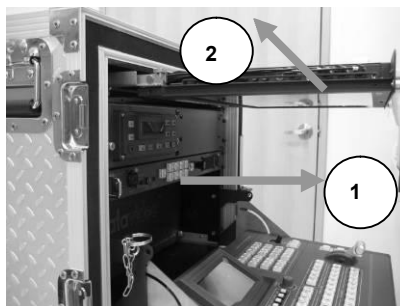
The bolts can then be stored on each hinge bracket before lowering the Control Panel Keyboard.



Setting up the TLM-170 17" monitor

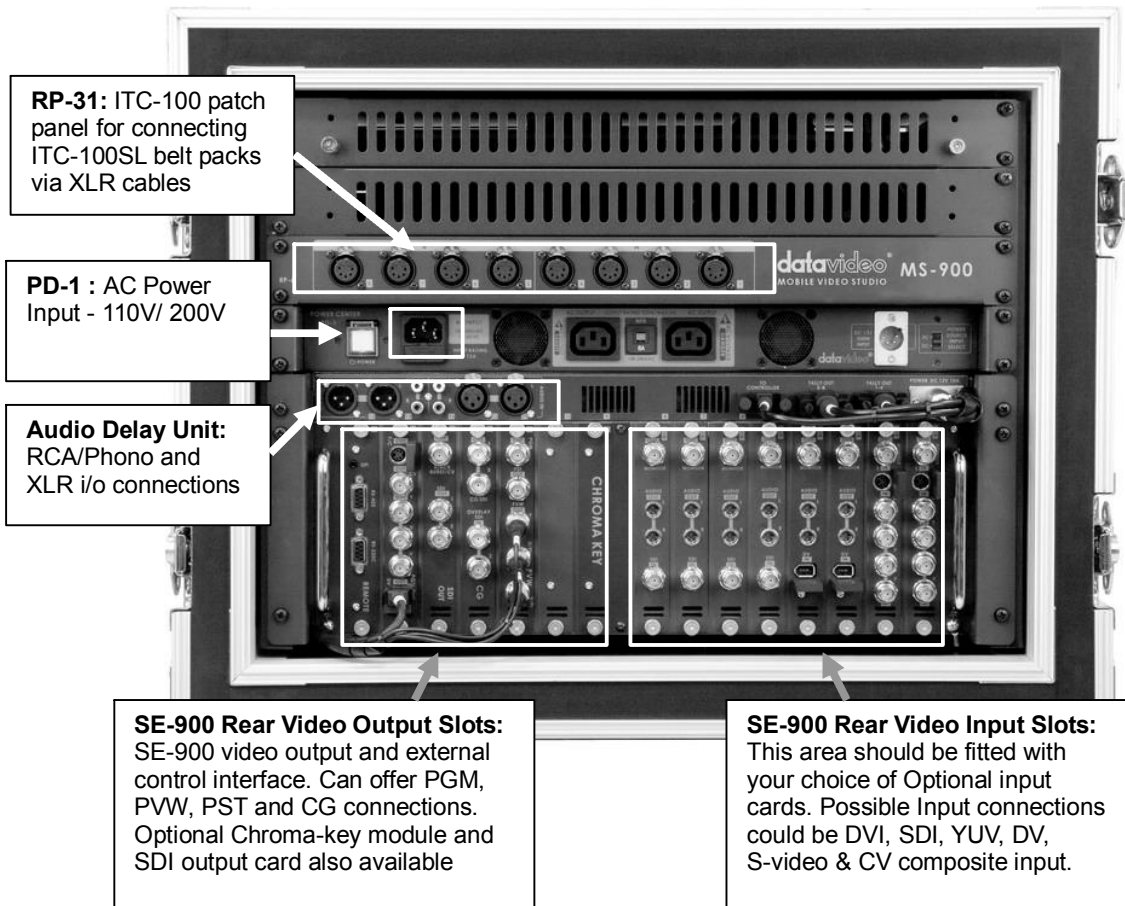
Follow the steps below to set up the LCD monitor:

- Unfasten the two silver screws on the Left and Right of the TLM-170 drawer handle.
- Using the handle pull out the TLM-170 monitor until it clicks into place at the end of its rail.
- Now bring the LCD panel into an upright viewing position.



Rear Connections

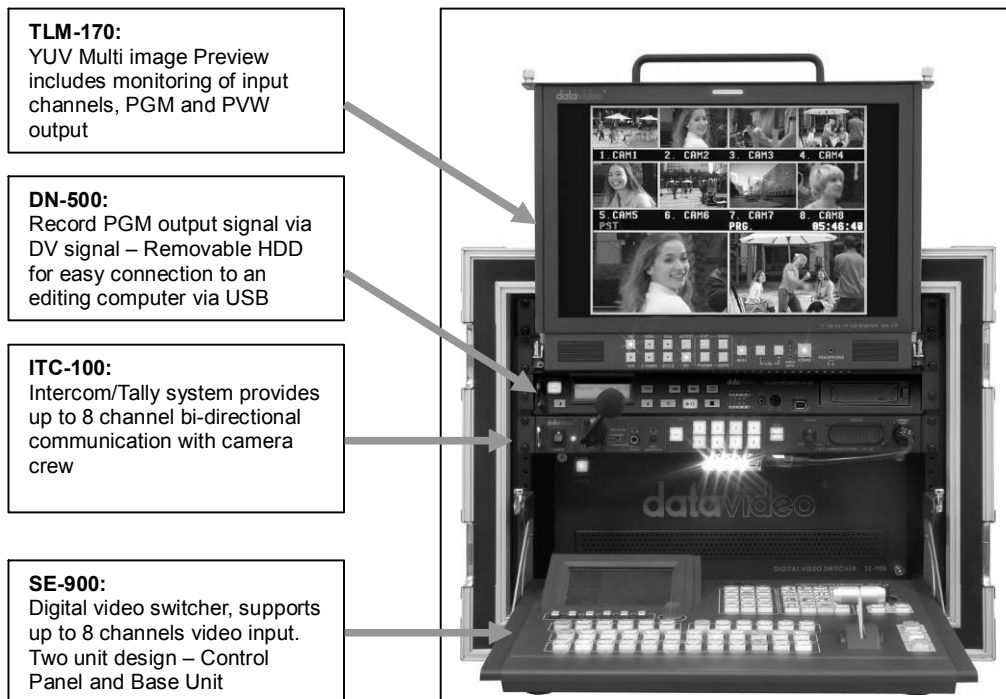
Example MS-900 rear panel shown - your configuration may be different depending on your order.



Example MS-900 rear panel shown - your configuration may be different depending on your order.

Front Overview

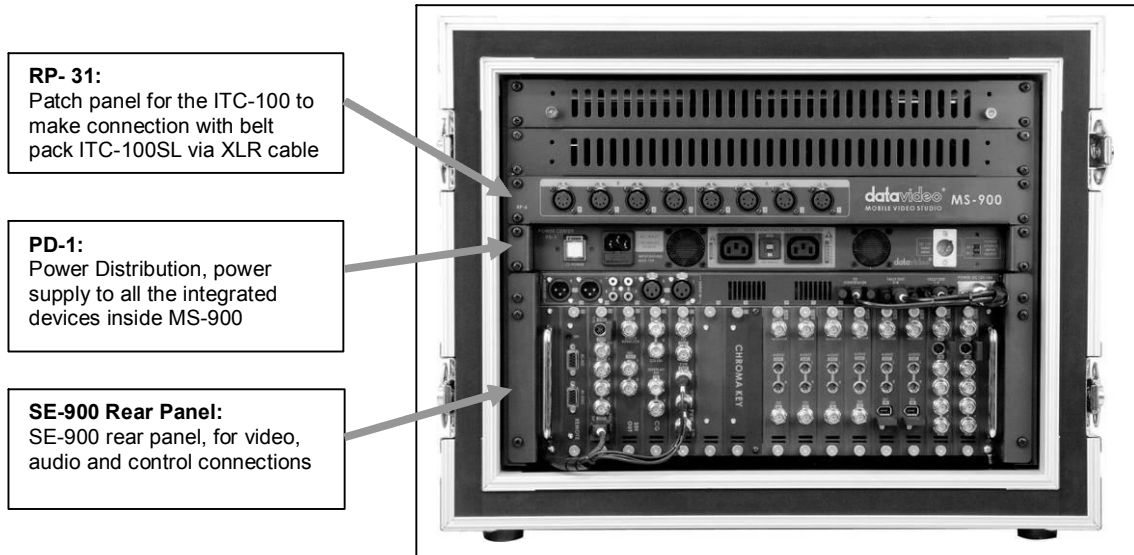
Please refer to the individual instruction manual of each item for more details on actual operation.



Rear Overview

Please refer to the individual instruction manual of each item for further details.

Example MS-900 rear panel shown - your configuration may be different depending on your order.



Powering On

Each product built into the MS-900 receives DC power from the PD-1 unit on the rear of the MS-900. Please ensure the PD-1 is fed with either an AC or DC feed before attempting to switch on the MS-900. For more information on the PD-1 please refer to its manual. If a product within the MS-900 fails to start after the PD-1 is switched on please locate the on/off switch for the product that has not yet started. For further advice on using a product within the MS-900 please refer to its manual.

Powering Off

Before powering off the MS-900 via the PD-1 on/off switch please ensure the DN-500 has been stopped.

Packing Away

Once the external source and camera cabling have been removed from the rear connection plates replace the rear case cover. Return the ITC-100 gooseneck mic, any ITC-100 cabling, tally lights and headsets etc to your accessory kit bag/box. Carefully lower the 17" TLM-170D monitor and slide it back into its shipping position remembering to secure the silver screws so it cannot move when in transit. Now lift the SE-900 Control Panel Keyboard and secure in its shipping position with the chained securing bolts. Now secure the front cover and the MS-900 is ready to be moved.

Specifications

Please refer to individual instruction manuals for specifications of each product built into the MS-900.

Case Dimensions:

Depth: 72 cm

Width: 60 cm

Height: 49 cm

The MS-900 is heavy – approximately 70Kg – Do not attempt to lift or move it on your own.

Specifications are subject to change without notice

Service & Support

It is our goal to make your products ownership a satisfying experience. Our supporting staff is available to assist you in setting up and operating your system. Please refer to our web site www.datavideo-tek.com for answers to common questions, support requests or contact your local office below.

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