

# Digital Recorder DS 4

ASC has developed the DS 4 digital recorder that is ideally suited for numerous instant recall applications typical for emergency or Police call centres.

The DS 4 allows immediate retrieval of any recording within a split second by simply pressing a single button, thus enabling the user to replay stored calls instantly and take the necessary action without delay. Inbound calls are recorded even during ongoing playback as the DS 4 is capable of simultaneous recording and playback.

### State-of-the-art technology

- Utmost recording quality due to ADPCM-technique
- Storage of the digital signals on dynamic RAM
- Simultaneous recording and replay due to ring memory
- Memory capacity of 4,25 minutes, expandable up to 68 minutes
- Absolutely maintenance free due to elimination of all moving parts

### Always ready to record

In start-stop mode the DS 4 can be operated via contact control (COR) or via the built-in voice actuated switch (VOX). Automatic gain control (AGC) and VOX control allow automatic recording without any operator intervention.

### Call-related repetition

The DS 4 can track down and replay any recorded call precisely to the syllable.

### Security through "LOCK"-button

Important calls can be marked during or after recording using the "LOCK"-button, and are then automatically protected against unintentional erasing due to new recordings.

### Easy monitoring and copying

Monitoring and evaluation of calls can be made via the built-in speaker or through a connected headphone.

### Mobile use

The DS 4 also operates on a 12 V DC supply which makes it equally suitable for mobile use, e.g. in vehicles. Operation is possible even at extremely high or low temperatures.

### Standard features:

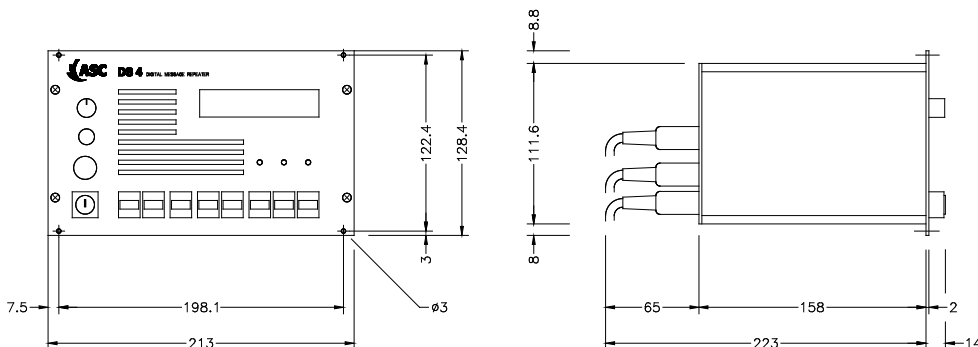
- Accessed in a split second
- Automatic copying
- Menu-control for easy adaption to specific requirements of the user
- Time-Code System with high-speed search facility
- Contact control (COR) and voice actuated control (VOX)
- Automatic test facility
- Computer-compatible interface RS 232
- Input for connection of DCF time signal receiver
- Integrated key switch to protect against unauthorized operation
- Automatic copying facility



## Technical specification

<b>Audio channels:</b>	1 recording channel 2 separate playback channels (with TAD-BUS)
<b>Recording capacity:</b>	up to 68 minutes
<b>Sampling process:</b>	ADPCM (A-Law) according to CCITT No. G. 721
<b>Frequency response:</b>	300-3400 Hz $\pm$ 3 dB
<b>Signal to noise ratio:</b>	> 40 dB (A)
<b>Distortion:</b>	< 3%
<b>Crosstalk:</b>	> 40 dB
<b>Inputs:</b>	Line: 10 mV - 2000 mV/ 20 kOhm Mic.: 1 mV - 200 mV/ 200 Ohm Sync.: 5 V - 30 V/ 3,3 kOhm
<b>Outputs:</b>	Speaker: 3 V Phones: 1,5 V 2 x Copy: 775 mV
<b>Control interface:</b>	TAD-BUS and RS 232
<b>Time base accuracy:</b>	5 ppm
<b>Operating position:</b>	optional
<b>Operating voltage:</b>	12 V DC $\pm$ 2%
<b>Power consumption:</b>	8 Watts at 4,25 min. storage capacity
<b>Temperature:</b>	Operating temperature: -10° to +50°C Storage temperature: -25° to +70°C
<b>Rel. humidity:</b>	5% to 90% (non condensing)
<b>Dimension:</b>	1/2 19 inch, 3 HU (consult diagram)
<b>Colour:</b>	RAL 7032 (light grey)
<b>Weight:</b>	approx. 1,7 kg
<b>Options:</b>	TAD-BUS AC-power supply I 115/230 V AC $\pm$ 10 % DC-power supply II 9-32 V DC DC-power supply III 36-72 V DC 19 inch slide-in unit integrated emergency power supply

Subject to change without notice. Please note that the maximum channel capacity is only valid under standard conditions. Depending on the usage, the complexity of a specific configuration, and the number and types of software applications installed, certain restrictions may apply. Please contact ASC for further information. All product and brand names are trademarks or registered trademarks of their respective holders.



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