

Compact Multi-Channel Recorder AN 2

The rapid increase in communications in every sector, especially within public authorities and organizations entrusted with public safety, makes necessary evidence proof documentation of data and speech, providing tamper proof recording. ASC documentation systems are therefore in common use at Police, fire stations and emergency organizations, financial institutions such as banks and insurance companies, in trade and industry as well as in service enterprises in order to record phone and radio communications for evidential purposes.

- Automatic storage of the selected operation mode in case of mains failure
- Tandem operation and standby operation
- Menu-control for personal tailoring
- High Tech for security - one of the most important matters of concern in our time
- Automatic gain control (AGC)
- VOX-control for each channel
- Symmetrical earth free inputs for universal applications

Professional drive mechanism

The AN 2 cassette recorder is equipped with a 4-motor direct drive mechanism and is designed so that all wearable parts like clutches, pulleys and belts are eliminated. This is particularly important for continuous use as the system makes obsolete costly service and maintenance.

Easy operation

All function buttons are clearly arranged and the well proportioned buttons are marked with unambiguous key symbols. Double functions on keys are avoided so as to prevent operational difficulties.

2- or 4-channel version

The AN 2 is available in 2- or 4-channel version with two different time-code systems, namely the AN 2 TI (built-in version) and the AN 2 TC (external unit with automatic high speed search facility) that can meet any requirements of the customer. The technology of time-code recording developed by ASC does not require a separate recording track, so that all channels of the AN 2 can be devoted exclusively to voice recording purposes.

High recording capacity

ASC has uncompromisingly realized customers' requirements for the highest possible recording capacity on

commercial compact cassettes. Whereas the standard version can be operated at tape speeds of 4,76 cm/s and 1,19 cm/s for a max. recording capacity of 4 hours (on a C 120 cassette), an optional version is available with tape speeds of 4,76 cm/s and 0,6 cm/s that allows a recording time of as much as 8 hours on a single C 120 cassette. For applications with average channel activity the capacity of one cassette will last for several days when the automatic start and stop mode is utilised.

Permanent readiness for recording

In start-stop mode the AN 2 can be operated via contact control (COR) or via the built-in voice actuated switches (VOX). Automatic gain control (AGC) and the VOX control allow automatic recording without any operator intervention. All adjustments are made from the front panel so that it is not necessary to remove the AN 2 for necessary parameter adjustments.



Evaluation and call-related repetition

For the purposes of immediate call evaluation the AN 2 features a special channel- and call-related repetition device, enabling the user to monitor the last 16 calls merely at the touch of a button. Should a new call be recorded during the process of evaluation, the cassette automatically winds fast-forward to the end of the conversation recorded last and immediately starts recording the new call. As opposed to systems with pause detection facilities the AN 2's repetition mode guarantees utmost reliability.

Security through alternating operation

In order to increase the security of recording and to extend the recording capacity, an additional AN 2 can be connected as a standby unit. This guarantees continuous recording, even if a failure occurs or if the end of tape is reached.

Remote control without limitations

The standard AN 2 cassette recorder is equipped with both a serial and a parallel interface. The parallel interface permits the connection of potential free contacts, whereas through the serial interface the communication with other AN 2 systems or with the AN 2 TC Time-Code System is performed.

Mobile use

The AN 2 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.

ASC Time-Code Systems

Precise time documentation of recorded data is an indispensable prerequisite for evidential proof. Therefore, ASC has complemented the AN 2 recorders with their specially developed Time-Code Systems AN 2 TC and AN 2 TI.

Technical specification

Drive mechanism:	4-motor direct drive with optoelectronic scanning
Tape speed:	1,19 cm/s and 4,76 cm/s \pm 1 %
Tape material:	Cr (IEC II)
Wind time (C 90):	< 40 sec.
Tape counter:	6-digit electronic time counter
Frequency response:	300 - 3400 Hz \pm 3 dB
Signal to noise ratio:	1,19 cm/s > 50 dB (A) (> 55 dB (A) at 4,76 cm/s)
Wow and flutter:	1,19 cm/s < 0,6 % (DIN 45507, wtd.) 4,76 cm/s < 0,15 %
Inputs:	Input (line) 10 mV - 2000 mV/ 20 kOhm Input (mic) 1 mV - 200 mV/ 250 Ohm Sync. in 5 - 12 V/ 22 kOhm
Outputs:	Speaker 3 V Phones 1,5 V Copy 775 mV
Control interface:	Parallel and RS 485-format Speech switch (VOX): Sensitivity and delay time can be adjusted digitally
Operating position:	Optional
Operating voltage:	12 V DC \pm 2 %
Power consumption:	5 W in standby operation / 20 W in record mode
Environmental conditions:	Operating temperature 0 to + 45 °C Storage temperature -25 to + 70 °C Humidity 5 to 95 %
Dimensions:	1/2 19 inch, 3 HU, HxWxD 128.4 x 213 x 158 mm
Weight:	Approx. 3,8 kg
Colour:	RAL 7032 (light grey)

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.

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