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# User manual





### Operating instructions tape deck **Inserting a Cassette**

1 Press and hold down the small button and slide the HOLD/PUSH OPEN-switch to the **OPEN** position.



HOLD/PUSH OPEN-switch While pressing

2 Open the cassette compartment door.



3 Insert a cassette with the window facing upward.



Close the cassette compartment door.



The cassette will be loaded automatically.

### Notes

When disconnecting the unit from the power source, make sure the cassette compartment door is closed. Otherwise, you may not be able to close it afterward. If this happens, re-connect the power source.

When inserting a cassette, make sure that the side with which the tape is visible inside is facing upward. If you inset the cassette upside down, you may not be able to take the cassette out.

### To eject the cassette

While the unit is in the stop mode, press and down the small button and slide the hold HOLD/PUSH OPEN-switch to the OPEN position.



HOLD/PUSH OPEN While pressing

### **Record-protect shutter**

Slide the record-protect shutter to the left to protect a recorded tape from being accidentally erased by recording on the tape for the second time.



If the shutter is open, you cannot record on the tape

If the shutter is closed, you can record on the tape

## To Record



### **1** Insert a DAT cassette

### 2 Press the REC button and the PAUSE-button.

The unit enters the pause mode.

## **3** Press either the ≻ PLAY-or the PAUSE-button.

The recording starts.

#### Notes

The recording cannot be started by just pressing the REC button, instead, the unit enters the recording monitor mode. The unit can enters the recording monitor mode whether the record-protect shutter of the cassette is open or not. Recording is possible only when the shutter is closed.

### To stop recording

Press the  $\blacksquare$  STOP-button.

To pause recording momentarily

Press the PAUSE-button.

#### To cancel the pause mode

Press the PAUSE-button again or press the  $\triangleright$  PLAY-button.

#### Notes

If the unit is left in the pause mode for more than five minutes, the unit will automatically enter the stop mode in order to protect its head and the tape.

### **Notes on Recording**



out of function REC out of function

### Do not leave any unrecorded parts on a DAT tape.

If there is a blank (unrecorded) part left on a DAT tape, the absolute time\* will not be written thereafter. Also, when the tape is being fast-forwarded or rewound, it will stop at that point. In order not to leave any unrecorded parts on a tape while recording, observe the following:

• If you intend to continue to record on a tape which is partially recorded, make sure that you find the end of the previous recording first, then the start the new recording from that point without leaving any unrecorded gap. (If you fast-forward the tape, if should automatically stop where the previous recording has ended.)

\*The absolute time indicates the elapsed time from the beginning of the tape and the current position of the tape which is written digitally. The absolute time will be automatically written when you record a DAT tape for the very first time and cannot be erased once written.

### When you record to the end of a DAT tape

The tape automatically rewinds to the beginning and will stop there. (Auto-rewind function)

### To avoid any accidental operation (Hold function)

Slide this switch to the HOLD position to avoid any accidental operation while the unit is set in a particular operational mode.

### (In the HOLD Position are all switch lock!)

### Start ID

This signal indicates the beginning of a recorded program (track). By reading these start ID signals, the unit can cue the beginnings of the recorded programs (tracks) automatically.



start ID

### To write the start IDs automatically while recording

This start codes are set by each new recording, also by using the "Pause button" by recording.

#### To write the start IDs manually while recording

While recording, press the REC button at the point where you wish to write the start ID.

#### Note

While writing the start IDs, the WRITE indication comes on and the START-ID - indicator flashes for about nine seconds. While the unit is set in this mode, no operational buttons other than the  $\blacksquare$  STOP button will function.

### **Playback**



■STOP out of function

### **1** Insert a DAT cassette

### **2** Press the > PLAY-button.

Playback starts. The SP/LP switch is out of function.

To stop playback Press the  $\blacksquare$  STOP-button.

### To pause playback momentarily

Press thePAUSE-button.To cancel the mode, press either thePAUSE-button or the  $\geq$  PLAY-button.

#### Notes

If the unit is left in the pause mode for more than five minutes, the unit will automatically enter the stop mode in order to protect its head and the tape.

### To fast forward the tape

Press the  $\gg \gg \gg 1$  button when the unit is in the stop mode.

### To rewind the tape

Press the  $|\langle \langle \langle \rangle \rangle$  - button when the unit is in the stop mode.

#### When a tape is played back to the end

The tape will be rewound to the beginning automatically and the unit enters the stop mode. (Auto-rewind function)

### **Cleaning the Head**

Prolonged operation may cause contamination of the head. To make the best possible recording and playback, we recommend you to clean the head periodically, using the cleaning cassette DT-1OCL (not supplied)\*.

#### How to use the cleaning cassette

- 1 Insert the cleaning cassette as you would a normal DAT cassette.
- 2 Press the ➤ PLAY button, then press the 3 STOP button after about 10 seconds.
- 3 Remove the cleaning cassette without rewinding it.
- 4 Proceed with recording and playback with a normal DAT cassette and check the sound quality.

#### Notes on the cleaning cassette

- The cleaning cassette cannot be used for recording or playback.
- Do not clean the head with the cleaning cassette more than five times in succession. Cleaning the head continuously for a long period of time may cause wear to the head.
- Do not rewind the cleaning cassette each time you use it. When the cleaning cassette tape is taken up (wound) completely, rewind it to the beginning and reuse it. The cleaning cassette can be used approximately 200 times, with 10 seconds of cleaning each time.

### Locating the beginning of a program (track)



Press either  $\gg / \gg I$  or I < </ < button quickly once during playback. If the unit is in the fast forward/rewind mode, press either the  $\gg / \gg I$  or I < </ < button once. Or if the unit is in the stop mode, press either the  $\gg / \gg I$  or I < </ < button twice.

To locate the beginning of the succeeding program (track)	Press >>/>>I the same number of times as the programs (tracks) to be skipped.	E.g. to locate the beginning of the fifth program (track)
To locate the beginning of the previous program (track)	Press >>/>>I the same number of times as the programs (tracks) (including the currently played one) to be skipped.	E. g. to locate the beginning of the fourth program (track) including the currently played one



Day/	AM/PM	I-indica	tor	Тар	e coi	unter/cl	ock/m	lessage	ind	icator	
	H	K	REMA A-TIM CLOC		N		N		K	品	D N s N
		GM.NO UTO-ID	STAR	T-ID	REC	CORDEL	TIME	RE	O		
	EE		F	-dB	50 4	0 24		6	4	20	OVER

### • The tape counter indications

Each time you press the COUNTER button, the display changes cyclically as follows:



### To reset the tape counter (normal display) to 00н00м00s

Press the RESET button.

#### **Remaining time of the tape**

The remaining time left on the tape will normally come on after about 16 seconds of commencing playback in the SP mode.

However, there may be some aberration in the amount of time displayed which depends upon the tape you use.

### Note

### The tape counter should not be used as a clock

What is being displayed on the counter is not completely accurate in terms of displaying the actual time. Therefore, do not use the tape counter as a clock.

### • Clock display

Each time you press the CLOCK button, the display changes cyclically as follows:

	RECORDED TIME* (date of the recording)
	RECORDED TIME* (time of the recording)
5U clock 9 3° 7° 4°	Current date (year, month, date)
	Current time (hour, minute, secound)

\*The RECORDED TIME will not be displayed while the unit is in the recording, recording monitor, or pause mode.

### **Setting the Clock**

The unit automatically registers the date of recording (year/month/date/day/hour/minute/ second) at the time of recording. The date of recording can be then displayed on the display window while the unit is playing back, fast forwarding/rewinding or cueing/reviewing a tape (Date function). It is essential to set the clock before any recordings are made. Otherwise, the date function will not work properly and the correct date and time of a recording will not be registered on the tape.

1 Press the CLOCK/SET button for more than four seconds.

2 Press the COUNTER/- and RESET/+ buttons to set the year digits, then press the CLOCK/SET button.

3 Press the COUNTER/- and RESET/+ buttons to set the month digits, then press CLOCK/SET-button.



Press the COUNTER/- and RESET/+ buttons to set the date digits, then press the CLOCK/SET button.



Proceed with the following steps while the unit is in the stop mode.



5 Press the COUNTER/- and RESET/+ buttons to set the day, then press the CLOCK/SET button.



6 Repeat steps 2 to 4 to set the correct current time (hour/minute/second).

The second digits change to "00" when the COUNTER/- or RESET/+ button is pressed and the clock starts activating when the CLOCK/SET button is pressed. Therefore, synchronize the clock by pressing either - or + button with the radio time-signal etc.

The flashing will stop and the clock will start activating..

### To cancel the procedure

Press the  $\blacksquare$  STOP button. The clock display will return to the previous time display. However, if you have proceeded to step 6, the year, month, day and date will be set.

### 12/24 hour display

To select either the 12-hour or the 24hour clock display. Press the RESET button for more than two seconds.

### **Precautions**

### **On Safety**

Should any solid object of liquid fall into the unit, unplug the unit and have it checked by qualified personnel before operating it any further.

### **On Installation**

Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight and excessive dust.

### **On Moisture Condensation**

If the unit is brought directly from a cold to a warm location, moisture may condense inside the unit. In such a condition, the tape may adhere to the head drum and can be damaged, or the unit may not operate properly (the  $\bullet$ -indicator has come on). Always remove the DAT cassette from the unit when the unit is not to be used for an extended period of time.

### If moisture is present

Operating buttons and controls may not function properly. The unit may shut off.

### Operating instructions D-2/16

- Power on: Turn the Channel mux. switch to the right with a screwdriver to select mux mode and bandwidth. The power is switched on, but the D2/16 needs about 5-6 seconds to get ready. Attention: In REC-mode, the MUX-mode position and the data will be recorded. In PLAY-mode the muxmode is read from the tape.
- 2) Record: Check the write-protection at the cassette, press and hold down the small button and slide the HOLD/PUSH OPEN, insert the cassette with the windowfacing upward and close the cassette compartment door. The cassette will be loaded automatically, see "Inserting the cassette". Press "REC", and the D2/16 is in a waiting status, (it still doesn't record). In this mode the system is working as if you are recording, except that the tape doesn't move. It enables you to use the system as a normal signal conditioning unit as front-end to the PC . Attention: Analog input is on the rear side and the output on the front. Important note for Calibration test when using the analogue output: The calibration data must be recorded, then read in Play mode. (In Rec. mode the output filter is not active)
- 2.1) The overload diodes indicate which channel inputlevel exceed +/- 5V. With a pin switch you can reset the display.
- 2.2) Instead of the BNC input/output, you can use the 9 pole Cannon input/output connector.
- 2.3) The second time you press "Pause", the pause mode stops and the tape moves again, (rec + play status). Simultaneously the startcode is recorded.Attention: It takes about 9 seconds to record the startcode, simultaneously together with the data, ( you see "START ID" blinking on the display). During this time you must not stop the tape, because the startcode won't be completely recorded and you may not find it later on.
- 2.4) At each REC START a new startcode will be recorded. Further startcodes can be set during recording by pressing "REC".
- 2.5) Ascending startcode are only possible if you start recording from the beginning of the tape. In this case the startcodes will be counted, stored as a PGM-number and displayed in the PGM-window. Attention: Don't forget to secure the tape after recording, (with the switch).
- 2.6) Parallel to the analog signals, it's possible, via PCM-input, to record and reproduce static signals or pulses, 0-10 kHz, (TTL-Level). When using our small 16 channel programmable signal conditioning unit PSC 16, it's possible to use this input, to record the default setup.
- 2.7) By using the handy microphone, with built in loudspeaker, it's possible to make comments to the recording. To record, just press the switch on the microphone. The reproduction is automatically.
- 2.8) For external microphone systems we can deliver a galvanic isolated input as an option.
- 2.9) With these possibilities, including recorded date and time, it's possible to reproduce all default parameters, also after some years.
- 3) Play: Insert the cassette and press "PLAY". All recorded data are available at the corresponding connector output. Input overload won't be displayed. Recorded digital pulses via PCM output, 0-10kHz can be reproduced with a rest jitter of 10 µs. (The samplingrate of the PCM- or the digital input is 96 kHz.)
- 4) Remote control: The remote control is together with the power supply connected via the PWR connector ( see connectionplan). The recording can be started in two different ways.
- 4.1) Connect a positive potential to pin B of connector PWR,( see plan). This potential must be between +3V and +30V The recording continues as long as this potential remains, ( at least 15 sec. to make sure that the whole startcode is recorded).

Attention: Before inserting the cassette, make sure that no write protection is done. The message TAPE PROTECT will appear on the display but not via the remote control.

- Event: There can be connected two different eventdetectors, in OR-mode, (pin 1 or 3 of the PWR-connector). 4.2) These potentials must be between + 3V and +30V, with a duration of at least 3 sec. In this case a recording of at least one minute will be started, but maximum one minute more than the event potential duration.
- 4.3) Attention: This remote control can only start and stop in write mode. The DAT-recorder must be in REC+PLAY-mode, if not, the remote control signals will be ignored.
- 5) Date and time: How to set it, pls. see "Setting the clock". One built in Lithium battery supplies the date and time after the power is switched off. It has a life time of about one year. To replace it, just open the battery compartment door, (unscrew the two imbus-screws). Remove with an iron the ++ and -- wires and connect it with the new battery, the red wire is ++, the blue wire is --. Don't change.

#### 6) Common hints:

- The D2/16 needs a DC-powersupply with 8-32V. The PWR-connector M&H + and E&D-. There is no 6.1) groundprotection. When you connect a power supply unit, pls. follow the common safety instructions.
- 6.2) The total samplingrate is fixed at 96 kHz. All channels are filtered and simultaneously sampled. The sample rate per channel is depending on the muxmode. Just devide 96 kHz by the number of channels and you get the sample rate per channel. The filters will automatically be switched to the max. cut off frequency in record- as in replay-mode.

The resolution is 12 bit, it means at a amplitude of  $\pm 5V = 10V$  your LSB is 2,5 mV, (4096 steps).

- The drive processor recognises cassettes with a max. runtime of 2 hours (tape length of 60 m). Attention : 6.3) Cassettes with a length of 90 m. (3 hours runtime) can be used but sometimes the displayed remaining time will not be correctly recognised from the processor.
- 7) Other matters:

We recommend : Use only high quality cassettes and clean the head periodically, using the cleaning cassette DT-10CL (not supplied). If you get any errors, the most common reason is a bad tape or a dirty head. Sometimes it's enough, just to cut the power for a second.

8) For further operating instructions and details: Pls. see following pages.

#### 9) Remote Control Box with bargraph display, audio record and replay.

- 9.1 **Connection:** Connect the 9 pole cable at the audio connector of the DAT-recorder.
- 9.2 Record: Keep the Record button pressed and press the Play button. Check that the Rec.- and Play LED's getting active.
  At the bargraph display all active channels will be displayed. An overload (>±5V), will be indicated by one flashing sign or more. It keeps on flashing above or below the corresponding channel until the Stop or OVL/Reset button is pressed.
  When record is activated by an EVENT, (see section 4.2) the Rec.- and the Event-LED' s are

9.3 Play: Just press the Play button. Above
described functions (see section 0.2) on still

- described functions (see section 9.2) are still valid.
- 9.4 **Audio:** By pressing the Voice/Record button, at the side of the remote control, during "Record-Mode", the speech channel will be recorded together with the data. Replay is automatically done in "Play mode"



#### 10) Technical Data

10.1	Tape deck	DAT tone width 2.01 mm
	Tape Track width	DAT-tape width 5,81 mm
	Tape speed	8 15 mm/s
	Density	61kbit/inch
	Bitrate	1 536 Mbit/s or 192 KByte/s
	Storage capacity	1 38 GByte for 2 hours recording
	Storuge cupuerty	2,07 GByte for 3 hours recording (not recommended)
10.2	Analog inputs	
	Selection	2, 4, 8, 16
	Input range	±5 V
	Input impedance	100kΩ
	Filter	Low pass, 8. order Butterworth, Cut off frequency 48 DB/octave
	Resolution	12 Bit, simultan S+H for all channels
	Common scanningrate	96 kHz
10.3	Analog Outputs	
	Selection	2, 4, 8, 16
	Output range	±5 V
	Output impedance	2 Ω, max. 10 mA
	Filter	8. order , low pass Butterworth
	Resolution	12 Bit, simultan S+H
10.4	Digital Input/Output PCM	
	Bitrate	0 20 kHz
	Remaining jitter	10µs
	Level	TTL
10.5	Audio channel	
	Build in microphone and sp	eaker
	Signal bandwidth	100 Hz 3000 Hz
	<u>Optional</u>	galvanic isolated microphone inputs
10.6	Interface	
	serial	Data, wordclock, frameclock
		at IF 16 Interface card in the computer
10.7	Remote control	
	Level	3 30V positive
10.8	System accuracy	±0,1% at 0 Hz,
		Difference of Phase delay for all channels at the same frequency better $0,5^{\circ}$
10.9	Error correction	Double encoded Reed Solomon Code, biterror rate better 10-10

### 10.10 Anaolg Signalbandwidth - Scanningrate

		Signalba	ndwidth			Scanni	ingrate	
Channel	2	4	8	16	2	4	8	16
Mux	CH	CH	CH.	CH.	CH.	CH.	CH.	CH.
	16	8	4	2	48	24	12	6
	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz

10.11 Powering Input Optional	8 32 V DC ca. 10 Watt AC 100 240 V 50/60 Hz
10.12 Dimensions	150 x 85 x 90 mm without shock absorber
10.13 Weight	ca. 1,5 kg without shock absorber
10.14 Environmental Operating temperature Storage temperature Humidity Vibration Shock	-5 °C to +45 °C -20 °C to +60 °C 20 80% no condensing 5g Mil Standard 810C, Curve C 10g in all direction

Technical specifications subject to change without notice!

### Battery replacement Pin connection



### **Battery replacement:**

### Lithium battery TYPE Sonnenschein SL340

The battery is used for storage of the date and time during power off.

The life time of the battery is approximately 1 year.

With a completely discharged battery the date and time values will be lost when power is off.

Battery change is carried out by removing the two screws of the battery cover on the DAT recorder right side and insertion of a new battery,

Old battery connections have to be removed by using a soldering iron. (WARNING !!! Do not exchange the red and blue wires!). The red wire is to connect to the ++ connection and the blue to -- one when re-soldering the connections of the new battery.

### Pin connection:

A	nalog In 18	
9	pol. Cannon	
Pin	Signal	
1	Channel 1	
2	Channel 2	In I8
3	Channel 3	
4	Channel 4	
5	Channel 5	
6	Channel 6	and the second
7	Channel 7	
8	Channel 8	
9	GND	
An	alog In 916	
9	pol. Cannon	
Pin	Signal	
1	Channel 9	
2	Channel 10	IN 9 IO
3	Channel 11	
4	Channel 12	
5	Channel 13	
6	Channel 14	
7	Channel 15	
8	Channel 16	
9	GND	
An	alog Out 18	
9	pol. Cannon	
Pin	Signal	
1	Channel 1	Out 1 8
2	Channel 2	outino
3	Channel 3	
4	Channel 4	
5	Channel 5	
6	Channel 6	
7	Channel 7	
8	Channel 8	
9	GND	
Ana	alog Out 916	
9	poi. Cannon	
1 rin	Channal O	
1	Channel 10	Out 916
2	Channel 11	
<u> </u>	Channel 12	A
<del>4</del> 5	Channel 12	
6	Channel 14	
7	Channel 15	
8	Channel 16	
<u> </u>	GND	
,		

9 pol. Cannon           Pin         Signal           1         reserved           2         reserved           3         GND           4         reserved           5         reserved           6         PCM Out TTL           7         RXD           8         TXD           9         PCM In TTL           Audio / Remote control box         9 pol. Cannon           9         PCM In TTL           Audio / Remote control box         9 pol. Cannon           9         PCM In TTL           Audio / Remote control box         9 pol. Cannon           9         PCM In TTL           Audio / Remote control box         9 pol. Cannon           1         RCB Clock           2         RCB Out           3         RCB In           4         Loudspeaker Out           5         Microphone In           6         reserved           7         reserved           8         +5V           9         GND           Interface         4 pol. Lemo           4         GND           2         PCM Data -	F	PCM In/Out
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1RCB Clock2RCB Out3RCB In4Loudspeaker Out5Microphone In6reserved7reserved8 $+5V$ 9GNDInterface4pol. LemoPinSignal1 $+5V$ 2PCM Data +3PCM Data -4GNDPWR 7 pol. TuchelPinSignal1Remote min 15 sec2 $++9-32$ V3Event min 60 sec.4GND5 $9-32$ V6WRC (write contr.)7not connected	Pin	Signal
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3RCB In4Loudspeaker Out5Microphone In6reserved7reserved8+5V9GNDInterface4 pol. LemoPinSignal1+5V2PCM Data +3PCM Data -4GNDPWR7 pol. TuchelPinSignal1Remote min 15 sec2++9-32 V3Event min 60 sec.4GND5 9-32 V6WRC (write contr.)7not connected	2	RCB Out
4Loudspeaker Out5Microphone In6reserved7reserved8 $+5V$ 9GNDInterface49LemoPinSignal1 $+5V$ 2PCM Data +3PCM Data -4GNDPWR7pol. TuchelPinSignal1Remote min 15 sec2 $++9-32$ V3Event min 60 sec.4GND5 $9-32$ V6WRC (write contr.)7not connected	3	RCB In
5Microphone In6reserved7reserved8 $+5V$ 9GNDInterface 4 pol. LemoPinSignal1 $+5V$ 2PCM Data +3PCM Data -4GNDPWR 7 pol. TuchelPinSignal1Remote min 15 sec2 $++9-32$ V3Event min 60 sec.4GND5 $9-32$ V6WRC (write contr.)7not connected	4	Loudspeaker Out
6reserved7reserved8 $+5V$ 9GNDInterface4 pol. LemoPinSignal1 $+5V$ 2PCM Data +3PCM Data -4GNDPWR7 pol. TuchelPinSignal1Remote min 15 sec2 $++9-32$ V3Event min 60 sec.4GND5 $9-32$ V6WRC (write contr.)7not connected	5	Microphone In
7reserved8 $+5V$ 9GNDInterface4 pol. LemoPinSignal1 $+5V$ 2PCM Data +3PCM Data -4GNDPWR7 pol. TuchelPinSignal1Remote min 15 sec2 $++9-32$ V3Event min 60 sec.4GND5 $9-32$ V6WRC (write contr.)7not connected	6	reserved
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	7	reserved
9         GND           Interface         4           4 pol. Lemo         Pin           1         +5V           2         PCM Data +           3         PCM Data -           4         GND           PWR         7 pol. Tuchel           Pin         Signal           1         Remote min 15 sec           2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	8	+5V
Interface         4 pol. Lemo         Pin       Signal         1       +5V         2       PCM Data +         3       PCM Data -         4       GND         PWR         7 pol. Tuchel         Pin       Signal         1       Remote min 15 sec         2       ++9-32 V         3       Event min 60 sec.         4       GND         5       9-32 V         6       WRC (write contr.)         7       not connected	9	GND
4 pol. Lemo           Pin         Signal           1         +5V           2         PCM Data +           3         PCM Data -           4         GND           PWR         7 pol. Tuchel           Pin         Signal           1         Remote min 15 sec           2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected		Interface
Pin         Signal           1         +5V           2         PCM Data +           3         PCM Data -           4         GND           PWR 7 pol. Tuchel           Pin         Signal           1         Remote min 15 sec           2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	4	4 pol. Lemo
1       +5V         2       PCM Data +         3       PCM Data -         4       GND         PWR         7 pol. Tuchel         Pin       Signal         1       Remote min 15 sec         2       ++9-32 V         3       Event min 60 sec.         4       GND         5       9-32 V         6       WRC (write contr.)         7       not connected	Pin	Signal
2         PCM Data +           3         PCM Data -           4         GND           PWR         7 pol. Tuchel           Pin         Signal           1         Remote min 15 sec           2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	1	+5V
3         PCM Data -           4         GND           PWR         7 pol. Tuchel           Pin         Signal           1         Remote min 15 sec           2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	2	PCM Data +
4GNDPWR7 pol. TuchelPinSignal1Remote min 15 sec2++9-32 V3Event min 60 sec.4GND5 9-32 V6WRC (write contr.)7not connected	3	PCM Data -
PWR           7 pol. Tuchel           Pin         Signal           1         Remote min 15 sec           2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	4	GND
7 pol. TuchelPinSignal1Remote min 15 sec2++9-32 V3Event min 60 sec.4GND5 9-32 V6WRC (write contr.)7not connected		PWR
Pin         Signal           1         Remote min 15 sec           2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	7	pol. Tuchel
1         Remote min 15 sec           2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	Pin	Signal
2         ++9-32 V           3         Event min 60 sec.           4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	1	Remote min 15 sec
3Event min 60 sec.4GND5 9-32 V6WRC (write contr.)7not connected	2	++9-32 V
4         GND           5         9-32 V           6         WRC (write contr.)           7         not connected	3	Event min 60 sec.
5 9-32 V6WRC (write contr.)7not connected	4	GND
6WRC (write contr.)7not connected	5	9-32 V
7 not connected		WRC (write contr.)
	0	WICE (WITE COlld.)







To transfer digital datas via MLab (acquistion software) in PC

