Technovision Interactive Inc. MP3SA-CA **Communications Adapter for MP3SA**

User's Manual



Technovision Inc.

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Operation

The Technovision MP3SA-CA is an option available for the MP3sa that allows for RS232 control of the Technovision MP3SA. RS232 data is sent to the MP3SA-CA at 9600,8,N,1 baud (full duplex) through the DB9F connector on the back of the MP3SA-CA.

Available RS232 Commands

These lowercase commands must be terminated with a carriage return (ODH).

pause	stop	play
next (track)*	prev (song)	disc+
disc-	song XX	disc XX
replay (song)	track1	last (song)
ff	rew	vol+
vol-	max (vol)	min (vol)
mute	mute2 (toggle)	brup
brdn	brsel	brtoggle
repeat (cycle)	reset	

*text within brackets are for descriptive purpose only.

In addition to the commands listed above, all variables that are entered in the CONFIG.TXT file of the MP3SA can be entered via RS232. These configurations, if changed through RS232, are not retained when the MP3SA is RESET or powered up.

Examples of some of the commands are:

volume = 30initial volume value (%) minvol = 0minimum system volume (%) maxvol = 100 maximum system volume (%) fadetime = 500 fade up from mute (ms) audio is muted on each search 0=off, 1=all once, 2=all, 3=track, repeat = 2 4=disc ,5=track once & pause. lineX = " " defines LCD lines (see MP3SA manual)

Status Inquiry Command

You can also monitor the status of the MP3SA by transmitting a "?" to the MP3SA. The player will respond with:

"Status: num=A file=B disc=C track=D E F G<CR><LF>" where...

- **A** = file number being played
- **B** = file name being played (xxx.mp3)
- C = disc number
- **D** = track number
- **E** = status of the player (PLAY, STOP, PAUSE)
- **F** = time of the current file MM:SS
- **G** = volume level (%)

Example output:

"Status: num=6 file=0201.MP3 disc=2 track=1 PLAY 00:19 50%<CR><LF>"

There must be a 2 second delay between inquiry commands.

RS232 Connector

The RS232 connector on the MP3SA is a DB9 female. Description Pin#

- 2 RS232 OUTPUT to computer
- 3 RS232 I NPUT to the adapter
- 5 DATA GROUND

MP3SA-CA Installation

The MP3SA-CA comes with a replacement cover and cable interconnect that attaches to a 10-pin header (P1) within the MP3SA.

o Remove the 4 screws for MP3SA cover.



o Attach the cable interconnect so that pin 1 (red stripe) is attached to pin 1 on connector P1 within the MP3SA.

o Attach the new lid using the screws that were removed.