

MedeaWiz DV-69

DV-69 RS-232 Protocol Definition

Model: DV-69

P/D No.:

Firmware Version:

Revision

Item	Issues Dates	Description	Actions	Date
1	2011/05/13	First Release	Draft V0.1 for RX	
2	2011/05/13	2nd Release	Add V0.2 for TX	
3	2011/05/17	3 rd Release	Add Detail Information in TX	
4	2011/05/18	4 th Release		
5				
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RS-232 Protocol Definition

Hardware Version:

Firmware Version:

Department	RD/PM
Prepared by	
Approved by	

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Notes:

The DV-69 with FW version 2012418

- 1) It will work ok with MedeaWiz DV-68K shipped after Sept. 2012.
- 2) It will not work with Team Kingsley TK-68K unless the TK-68K firmware is changed. A TK-69K version will be available soon.
- 3) Using your own control by serial port, for example, if you want to play file #1 in MENU mode, send a single byte with the number 1 as 0x01 (binary 00000001). For files #2 and up to #200, do the same using the matching numerical value bytes. Remember you must always have a 000.mpg file when using the MENU mode. The 000 file will loop / repeat anytime another selection is not playing.

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Issue date : 05/17/2011

Rev.: V0.4

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1. Basic Information

RS232 is at TTL Levels: 0 to +5V

If using a PC you must use a level translator cable. Team Kingsley #DV-RS232-C

Transmit Protocol: 4800, 8, N, 1

Baud Rate: 4800

Priority Bit Check: None

Data Bit Length: 8

Stop Bit No.: 1

2. RS-232 Command

2.1 RX

Item	Code	Definition	Description	Remark
1	0XC9	POWER KEY	Power ON/OFF	
2	0XCA	RESET KEY	Restart	
3	0XDA	MUTE KEY	Mute	
4	0XDE	UP KEY	Up	
5	0XDF	GOTO KEY	Return to Home Menu	
6	0XE0	LEFT KEY	Left	
7	0XE1	ENTER PLAY KEY	Enter/Play	
8	0XE2	RIGHT KEY	Right	
9	0XE4	DOWN KEY	Down	
10	0XE7	SETUP KEY	Go to Setup Menu	
11	0XE9	VOLUME UP KEY	Volume Increase	
12	0XED	VOLUME DOWN KEY	Volume Decrease	
13	0XF1	FB KEY	Fast Rewind	
14	0XF2	FF KEY	Fast Forward	
15	0XF3	PREVIOUS KEY	Back to Previous file	
16	0XF4	NEXT KEY	Go to Next file	
17	0XF5	STOP KEY	Stop Playing file	
18	0XF6	PAUSE KEY	Pause file	
19	0XF7	PLAY KEY	File Playback	
20	0XF9	REPEAT MODE KEY	Repeat Play all Clips/Menu Repeat	
21	0XFA	MENU MODE KEY	Play File 000 until Other Clip	

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			Selected	
22	0XFB	CONTINUE MODE KEY	Play the Current Clip until Other Clip Selected	
23	0XE8	Display	Timer information ON/OFF *Default : ON	TX command 0X74

2.2 TX

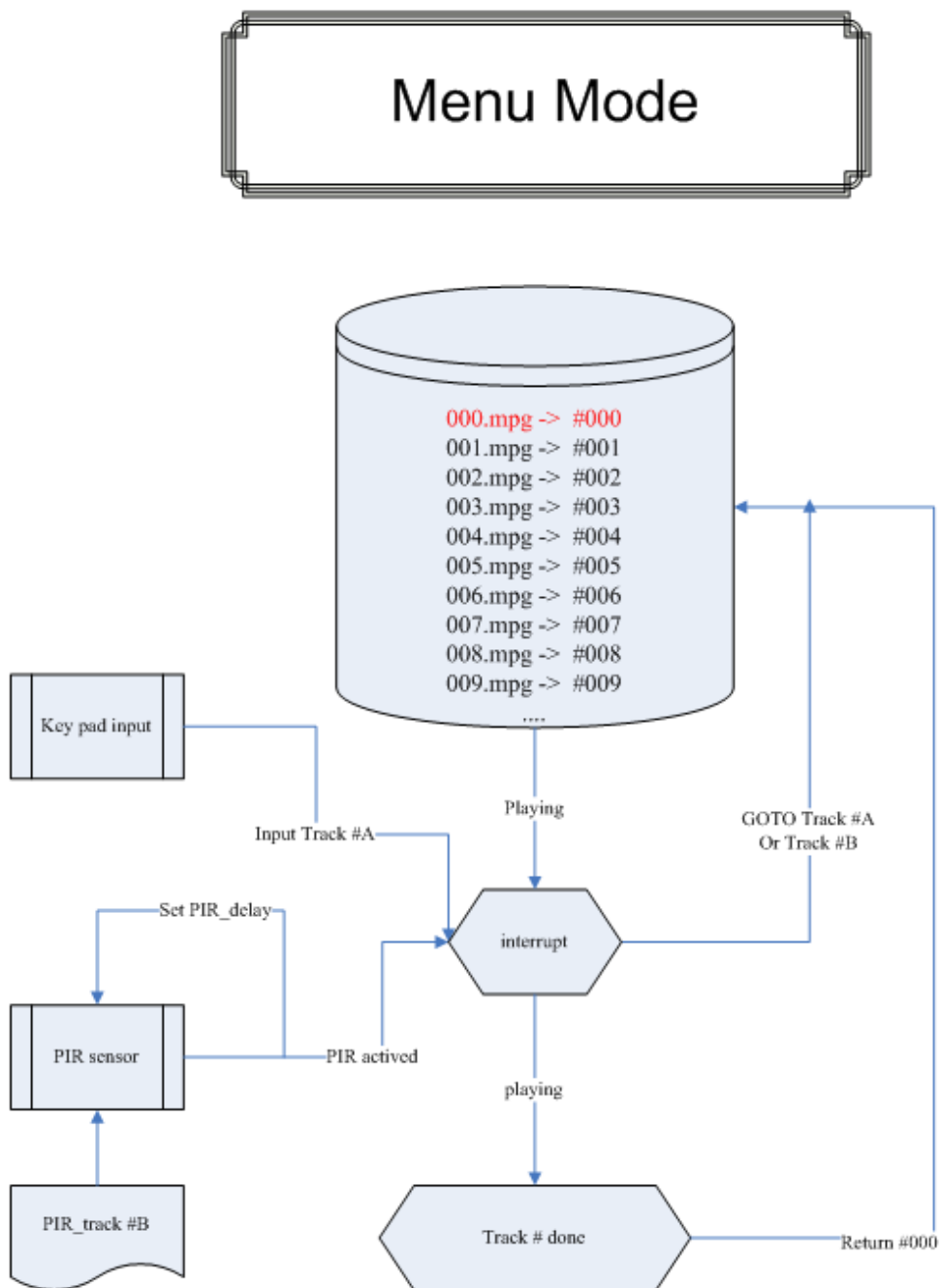
Item	BYTE 1	BYTE 2	BYTE 3	BYTE 4	Remark
1	0x54	Total track *	Current track*	Checksum (BYTE1+ 2 + 3)	Show track information
2	0x74	Time_min[0x00~0x63]	Time_sec[0x00~0x3b]	Checksum (BYTE1+ 2 + 3)	Show timer information
3	0x76	Mute_enable = 1 Mute_disable = 0	Level 0~16 [0x00~0x10]	Checksum (BYTE1+ 2 + 3)	Show volume information
4	0x63	repeat mode = 0xF9 menu mode = 0xFA conuinue mode= 0XFB	Next track# **	Checksum (BYTE1+ 2 + 3)	Show end of file information
5	0x73	Play = 0x01 Pause = 0x02 Stop = 0x03 in setup = 0x10	0x00	Checksum (BYTE1+ 2 + 3)	Show status
6	0x50	repeat mode = 0xF9 menu mode = 0xFA conuinue mode= 0XFB	Track #	Checksum (BYTE1+ 2 + 3)	Show PIR trigger info

- ◆ in menu mode: file name must be 000.mpg ~ 200.mpg
 Total track = MAX_track - 1 , Current track = track_index - 1
 ex.: [000.mpg,001.mpg,002.mpg,003.mpg,004.mpg,005.mpg] playing 004.mpg
 -> BYTE 2 = 0x05, BYTE 3 = 0x04
 in other modes: file name must be 001.mpg ~ 200.mpg
 Total track = MAX_track , Current track = track_index
 ex.: [001.mpg,002.mpg,003.mpg,004.mpg,005.mpg] playing 003.mpg
 -> BYTE 2 = 0x05, BYTE 3 = 0x03
- ◆ in menu mode:
 Next Track = 0x00

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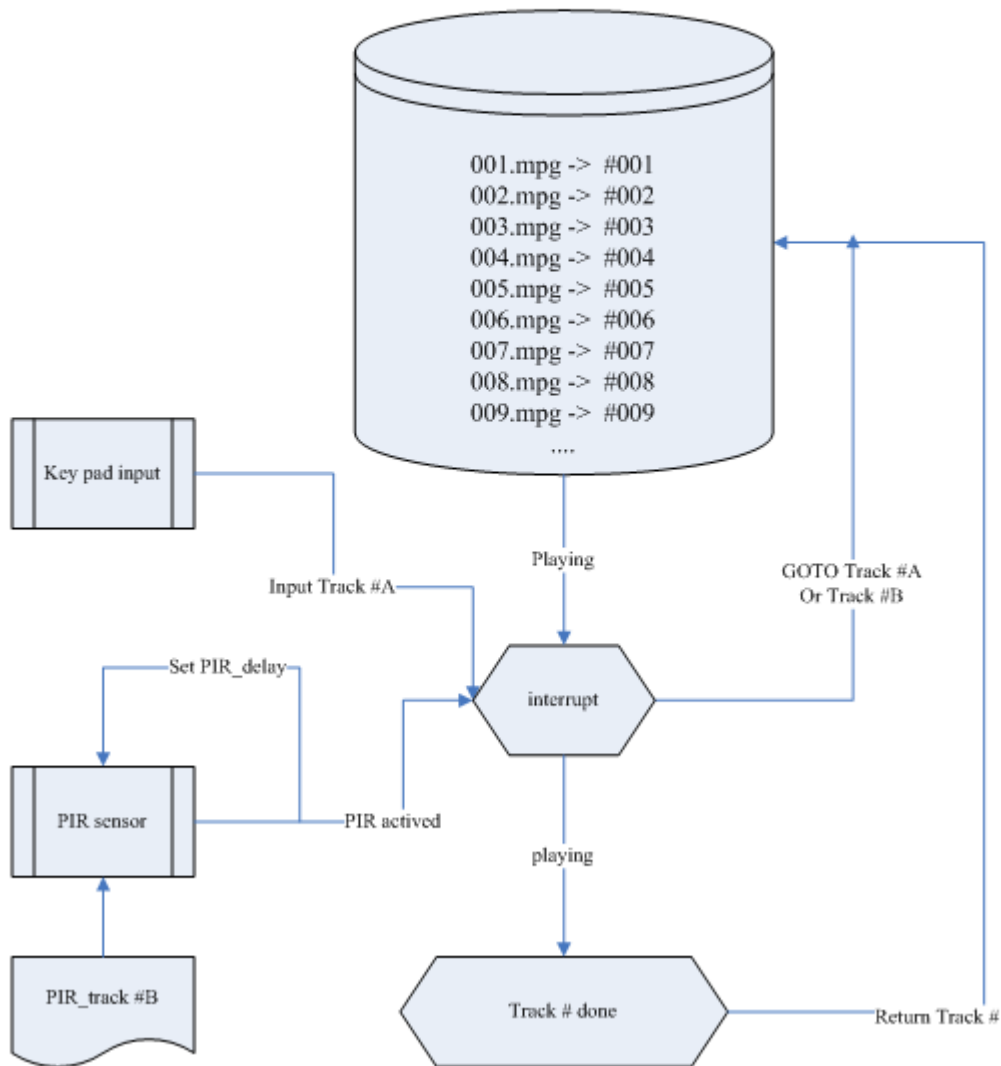
- ◆ in repeat mode:
Next Track = current Track +1
- in continue mode
Next Track = current Track

3. Play mode Timeline Diagram



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Standby Mode



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Repeat Mode

