

OPERATING INSTRUCTIONS for CODE RS232

Wiring for AGATH TV MM 6328

AGATH

TÉLÉVISEURS D'EXCEPTION

SOMMAIRE

RS232 Protocol 3

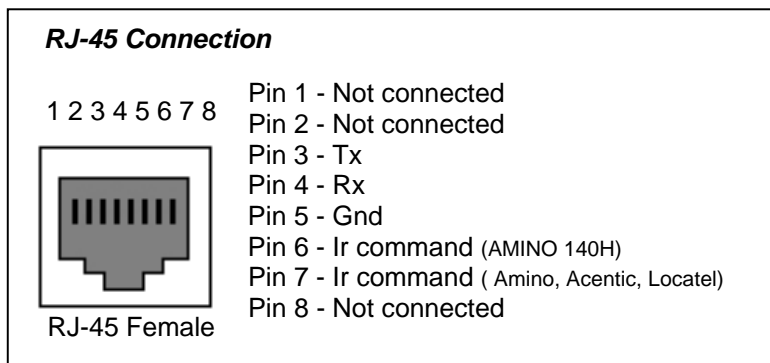
Communication parameter 3

Transmission Protocol 3

Command Reference List 4

RS232 PROTOCOL

The wiring for the AGATH TV:



COMMUNICATION PARAMETER

Baud Rate	: 9600 bps (UART)
DATA Length	: 8 bits
Parity bit	: NON
Stop bit	: 1
Flow control	: NON
Communication code	: Codes ASCII

TRANSMISSION PROTOCOL

Command setting:

[COMMANDE 1] [COMMANDE 2] [] [00] [] [DATA] [CR]

example: [k][5] [] [00] [] [00] [CR]

OK Acknowledgment:

[COMMANDE 2] [] [01] [O] [K] [DATA] [x]

example: [5] [] [01] [] [O] [K] [00] [x]

[COMMANDE 1] et [COMMANDE 2]	: Command identified by a character (see commands list)
[]	: Character <SPACE>
[DATA]	: Parameter for Command setting Parameter sented for OK Ackowldgment
[CR]	: Character <CARRIAGE RETURN>
[x]	: Character <x> (lowercase)

The [DATA] parameter should be composed of 2 bytes. For example, in order to send 1, it needs to be sended 01. For all the [DATA] parameters, it is not necessary to add the H letter (means HEXA). For example, if it is written 01H, you have to enter 01.

COMMAND REFERENCE LIST

1. Power (Ka)

Command Name	Command	Acknowledgement
Power On	ka 00 01(CR)	a 01 OK01x
Power Off	ka 00 00(CR)	a 01 OK00x
Power Status	ka 00 ff(CR)	

2. Input select (kb)

Command Name	Command	Acknowledgement
DTV	kb 00 0b(CR)	b 01 OK0bx
ATV	kb 00 0a(CR)	b 01 OK0ax
CDTV	kb 00 0c(CR)	b 01 OK0cx
USB	kb 00 0e(CR)	b 01 OK0ex
Composant	kb 00 05(CR)	b 01 OK05x
HDMI 1	kb 00 07(CR)	b 01 OK07x
HDMI 2	kb 00 08(CR)	b 01 OK08x
HDMI 3	kb 00 09(CR)	b 01 OK09x
RGB	kb 00 06(CR)	b 01 OK06x

3. Screen mute (kd)

Command Name	Command	Acknowledgement
Screen mute off (Picture on)	kd 00 00(CR)	d 01 OK00x
Screen mute on (Picture off)	kd 00 01(CR)	d 01 OK01x

4. Volume mute (ke)

Command Name	Command	Acknowledgement
Volume mute on (Volume off)	ke 00 00(CR)	e 01 OK00x
Volume mute off (Volume on)	ke 00 01(CR)	e 01 OK01x

5. Volume control (kf) / Data are in decimal

Command Name	Command	Acknowledgement
Volume Step 25	kf 00 25d	f 01 0K25x
Volume Step 50	kf 00 50d	f 01 0K50x
Volume Step 75	kf 00 75d	f 01 0K75x

6. Power mode (kq)

This is the TV status after a power cut.

Command Name	Command	Acknowledgement
Power off	kq 00 00(CR)	q 01 OK00x
Power on	kq 00 01(CR)	q 01 OK01x
Power save (by default)	kq 00 02(CR)	q 01 OK02x
Power mode Status	kq 00 ff(CR)	

7. Key (mc)

Command Name	Command	Acknowledgement
POWER ON/OFF	mc 00 11(CR)	c 01 OK11x
MUTE	mc 00 13(CR)	c 01 OK13x
SOURCE	mc 00 4f(CR)	C 01 OK4fx
MENU	mc 00 43(CR)	c 01 OK43x
Pr+	mc 00 47(CR)	c 01 OK47x
Pr-	mc 00 4b(CR)	c 01 OK4bx
Vol+ / MENU +	mc 00 53(CR)	c 01 OK53x
Vol- / MENU -	mc 00 57(CR)	c 01 OK57x
EXIT	mc 00 50(CR)	c 01 OK50x
ENTER	mc 00 04(CR)	c 01 OK04x
PIC SIZE	mc 00 03(CR)	c 01 OK03x
PIC MODE	mc 00 0b(CR)	c 01 OK0bx
Sleep	mc 00 0a(CR)	c 01 OK0ax
AUDIO	mc 00 56(CR)	C 01 OK56x
Sound Mode	mc 00 5a(CR)	c 01 OK5ax
1	mc 00 1d(CR)	c 01 OK1dx
2	mc 00 1c(CR)	c 01 OK1cx
3	mc 00 46(CR)	c 01 OK46x
4	mc 00 15(CR)	c 01 OK15x
5	mc 00 14(CR)	c 01 OK14x
6	mc 00 45(CR)	c 01 OK45x
7	mc 00 00(CR)	c 01 OK00x
8	mc 00 1f(CR)	c 01 OK1fx
9	mc 00 1b(CR)	c 01 OK1bx
0	mc 00 1e(CR)	c 01 OK1ex
USB	mc 00 61(CR)	c 01 OK61x
Composant	mc 00 4d(CR)	c 01 OK4dx
ATV	mc 00 58(CR)	c 01 OK58x
DTV	mc 00 5c(CR)	c 01 OK5cx
HDMI 1	mc 00 54(CR)	c 01 OK54x
Red	mc 00 51(CR)	c 01 OK51x
Green	mc 00 52(CR)	c 01 OK52x
Yellow	mc 00 49(CR)	c 01 OK49x
Blue	mc 00 59(CR)	c 01 OK59x
EPG	mc 00 20(CR)	c 01 OK20x

CR = Carriage Return

Command Name	Command	Acknowledgement
INFO	mc 00 06(CR)	c 01 OK06x
LIST	mc 00 4a(CR)	c 01 OK4ax
Favorite	mc 00 08(CR)	c 01 OK08x
VGA	mc 00 5e(CR)	c 01 OK5ex
SCART	mc 00 1a(CR)	c 01 OK1ax
Timeshift	mc 00 6e(CR)	c 01 OK6ex
Next	mc 00 68(CR)	c 01 OK68x
Play/Pause	mc 00 63(CR)	c 01 OK63x
Fast Forward	mc 00 66(CR)	c 01 OK66x
Previous	mc 00 69(CR)	c 01 OK69x
Rewind	mc 00 67(CR)	c 01 OK67x
Prev Channel	mc 00 21(CR)	c 01 OK21x
Stop	mc 00 64(CR)	c 01 OK64x
Left	mc 00 6a(CR)	c 01 OK6ax
Right	mc 00 6b(CR)	c 01 OK6bx
Up	mc 00 6c(CR)	c 01 OK6cx
Down	mc 00 6d(CR)	c 01 OK6dx
SUB.T	mc 00 23(CR)	c 01 OK23x
REC	mc 00 62(CR)	c 01 OK62x
DLNA	mc 00 78(CR)	c 01 OK78x
PVR List	mc 00 72(CR)	c 01 OK72x

CR = Carriage Return

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