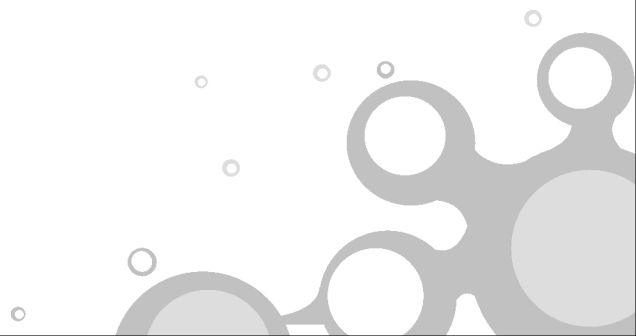


AGENT:

User's manual
ATSC CONVERTER
BOX FOR CAR

MODEL: DTR-1203AM



Specification

Key code of remote controller

Key NO.	Function	Data code	Custom code
1	POWER	8A	807F IC:TT6222-1/ NEC6122
2	MUTE	8C	
3	1	91	
4	2	92	
5	3	93	
6	4	94	
7	5	95	
8	6	96	
9	7	97	
10	8	98	
11	9	99	
12	-	9A	
13	0	90	
14	-/--	9B	
15	MENU	85	
16	EXIT	87	
17	CH+ / UP	80	
18	VOL- / LEFT	83	
19	LIST / OK	9F	
20	VOL+ / RIGHT	82	
21	CH- / DOWN	81	
22	GUIDE	9C	
23	FAV	9D	
24	INFO	89	
25	TV / AV	C0	
26	RECALL	88	
27	AUDIO	8F	
28	CAPTION	8B	
29	FREEZE	86	

Specification

Connector:

Power Cable And Jack	6Pins: 1.DC+12~24V Input 5.GND
	2.ACC 6.GND Output t
	3.NC
	4.DC+12~24V Output t (2A MAX)
	For IR Extension Box
	Audio Output:2 RCA Jacks (R/L)
	Video Output:1RCA Jack
	S-Video:1DIN Jack
	3.5φ Jack for upgrade
	Video: RCA Jacks
	Audio: 2 RCA Jacks (R/L)
	Female F Type

General:

MPEG II Chip	RENESAS R8A66953FP Main CPU 108MHZ
Flash Memory	sub CPU 54 MHz
SDRAM	32 Mega bit
Operating Temperature	-10°C ~ +50拐
Storage Temperature:	-40拐 ~ +65拐
Power Supply	DC + 12V 360mA Max Standby:20mA Max.
Power Consumption	Running:4.4W Max, Standby:0.3W Max
Dimension	125(L)*92(W)*27(H)mm
Packi ng Size (GIFT BOX)	185(L)*180(W)*56(H)mm
Weight	N.W.:0.25Kg
Accessories	1.R/C Unit *1 5.IR Extension Box*1
	2.DC Power Cable* 6.AV Wire*1
	3.Mounting Lug*2 7.Operation Manual*1
	4. Screw Set*1

Contents

Safety Instruction	2
Main Features/Accessories	3
Remote Control Unit (RCU)	4-5
Install Instruction	6
Active ANT Installation	7
Starting	8
CH & CC Setup	9
CC Customer	10
Parental Control	11
V-Chip & Movie Ratings Setting	12
USA TV Content Ratings	13-14
Canada Ratings	15-16
System Setting	17
Other Functions	18
Specification	19-21

Safety instruction

WARNING

Please read the following instructions carefully.

- * Do not expose the receiver to rain, moisture, direct sunlight or do not place it near a heater.
- * Do not open or remove cover, refer all servicing to qualified service personnel.
- * Do not supply DC voltage over DC12-24V±15%.
- * While driving , the driver not allow to watch TV programs.

CAUTION

- * ACC wire can connect to car ACC switch (engine start switch) only. If connect to car battery, it will draw current continuously even in stand by mode.
- * Due to the new software upgrade, the new software contents may have a slight difference then this manual.

Specification

Tuner:

RF Input	FULL BAND 57MHz ~ 803MHz
Input Impedance	75 Ω
Signal Level	-78dBm ~ -25dBm
Connector Type	F Terminal
Channel Band Width	6M

Demodulator

Standard	ATSC A/52 and QAM ITU-T J.83 ANNEX B 64/256
Demodulation	ATSC-8VSB OR CABLE 64/256QAM

Video Decoder

Standard	MPEG-2 MP@HL
Transport Stream	ISO/IEC 13818-1 MPEG-2
Video Aspect Ratio	4.3 / 16.9
Video System	NTSC
Video Output	1Vpp±0.3Vpp
Video Resolution	720*480p@30fps or 720*480i@30fps

Audio Decoder

Standard	ISO/IEC 11172-3
Audio Decoder	MPEG-1 audio Layer II
Audio Channel	ST
Audio language	English, Spanish and French
Audio Output	1Vpp 47K Ohm Adjustable With E Volume

Other Functions

1. Program List:

Enter channel in the program list

Select item in the program list

Program List		
CH.	Label	Skip
2-1	WGB-SD	On
2-2	PBS-HD	On
2-10	WGBH-DX	Off

Figure 25: Program List menu

2. Favorite List:

Set favorite channel in the favorite list

Select item in the favorite list

Favorite List	
FAV.1	2-1
FAV.2	2-2
FAV.3	2-10
FAV.4	NONE
FAV.5	NONE

Figure 26: Favorite List menu

3. Guide:

Switch the current page in program scheduler.

Guide	
8:00 AM-11:00 AM	ABCD TENETIC
11:00 AM-2:00 AM	ABCD APPLE PIE
2:00 PM-5:00 PM	ABCD HEARO
6:00 PM-8:00 PM	ABCD SPORT

Figure 27: Guide menu

4. Information menu

- 1) Audio List: display current audio language.
- 2) Clock: display current time in the program.
- 3) Format: display current screen mode.
- 4) Audio List: display current status of parent control.

2-1	ABCD
Audio (English)	12:00 PM
Format (Normal)	Block (Off)

Figure 28: Information menu

5. Volume

- 1) Vol+/Vol- key: increase or decrease Volume value.

Hold down Vol+/Vol- key to increase or decrease Volume value continuously.

- 2) options: 0-40

Volume	20

Figure 29: Volume menu

Main features

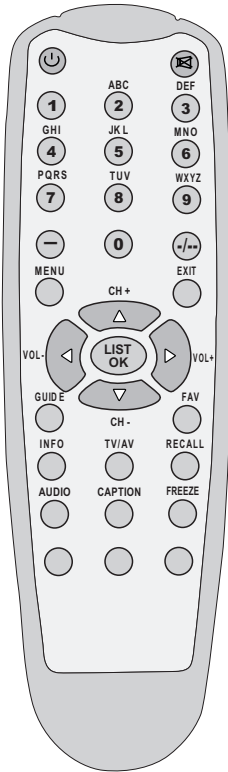
- * Compliant with ATSC A/52 and QAM ITU-T J.83 ANNEX B 64/256
- * Use high performance ATSC/QAM demodulator
- * Provide antenna power supply function for pair use with active antenna
- * Favorite channel list
- Closed caption supported
- * AV input for other DVD/GPS/GAME application
- * OSD options: English, Spanish and French
- * Electronic program guide (EPG) and on screen channel information
- * Software upgrade available by PC
- * Wide DC power input from DC 9V to 24V suitable for car.
- * Video, stereo audio and YC output
- * HDTV signal scale to SDTV 720X480P or 480I output


Accessories

The following have been packed in your receiver box:

- *User's manual x1
- *Remote control unit(RCU) x1
- *Extended R/C Receiver x1
- *Mounting LUGx2 with screw x4
- *A/V Wire x1
- *Power supply CORD x1

Remote control unit(RCU)



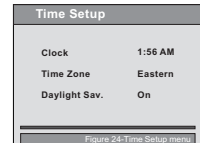
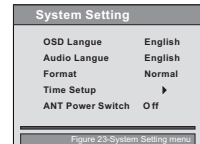
- POWER:
Switch the receiver between stand-by & on modes
- MUTE  :
Mute the audio output
- Numeric Keys(0~9):
For direct entry of channel number
" - " : for logical channel input
In digital TV mode, there are more than 1 program in a channel location.
for example:CH14 may has 14-1,14-2, and 14-3
" +/- " : no function
- MENU:
Access the main menu
- EXIT:
To return to previous status or exit
- CH(+ / -):
Change channels sequentially up or down in viewing mode and move to the next higher or lower item in the menu
- VOL(+ / -):
Alter the Audio output level up or down in viewing mode or move to the left or right item in the menu

System Setting

System Setting

1. OSD Langue: Select the OSD Langue options: English, Spanish and French.
default: English
2. Audio Langue: Select the Audio Langue options: English, Spanish and French.
default: English
3. Format:
Select the Format option list options: Normal, Crop, Squeeze and Letter Box. default: Normal
4. Time Setup: Enter Time Setup menu
 - 1) Clock:
Notes: the Clock displays the current time from programs
 - 2) Time Zone:
Select the Time Zone options: Eastern, Samoa, Hawaii, Alaska, Pacific, Mountain, Central, Atlantic, Newfoundland.
default: Eastern
 - 3) Daylight Sav.:
Switch the Daylight Sav. between on and off. default: off
5. Ant power switch
Switch ANT power Supply between on and off. default: off

Note: select "on" to turn on the 5V power supply for active antenna.
If ANT circuit is short, the ANT power supply will turn off automatically. Select "off" for NON-active antenna.



Canada Ratings

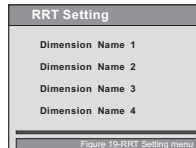
Note: blocking a rating affects all the higher ratings, so that blocking "13 ans+" in the example above automatically blocks "16 ans+" and "18 ans+", whatever previous state of these ratings was. If a password is defined while a TV program warning is received for the current channel, sound is muted and the following menu is displayed on the center of screen; what's more, the rating information should be consistent with current active program rating.

This Channel is blocked by the French Canada Rating of "G"

RRT Setting

1. RRT Setting:

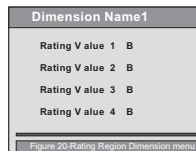
Enter Rating Value setting in current dimension Name.



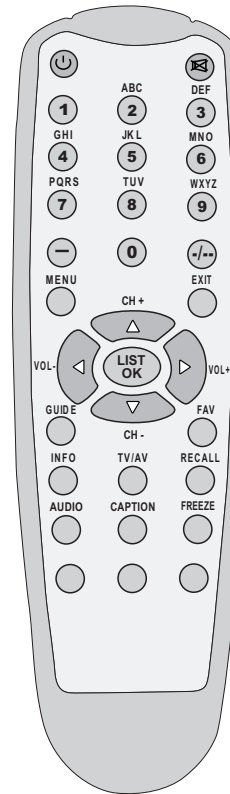
Rating value Setting

1. Rating value Setting:

Set Block or View in current Rating Value.



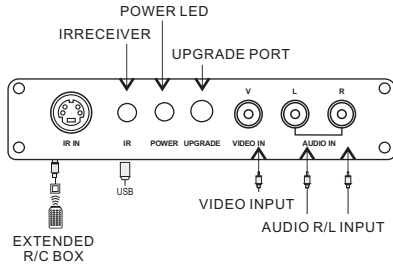
Remote control unit(RCU)



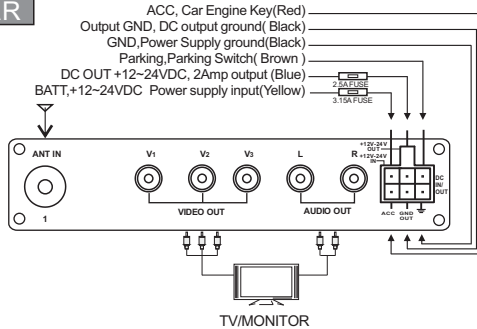
- LIST/OK:
Select an item or confirms a choice.
A list will display in viewing mode
- GUIDE:
Call up the EPG function
- FAV:
Select the favorite channels
- INFO:
Display information on viewed channel
- TV/AV:
Switch between TV and AV input mode
- RECALL:
Go back to the previously viewed channel
- AUDIO:
Switch the audio language if transmitting more than one language
- CAPTION:
Switch the closed caption "on" if the closed caption is transmitted on this channel
- FREEZE
Press once to FREEZE the screen picture, press once again to go to the normal mode

Install instruction

FRONT



REAR



1. For car use: Connect the BATT wire to car battery and connect ACC wire to car ACC switch.
2. For home use: Put BATT and ACC wire together and connect to B+ 12-24V DC.
3. GND (⊥) must connect to ground or battery- .
4. DC output ground, connect to the device GND with which use the DC +12V-24V output.

Canada Ratings

Canada English Ratings

1. C-18+:

Switch the check box between view and block. default: View

Canada English Ratings	
C	View
C8+	View
G	Block
PG	Block
14+	Block
18+	Block

Figure 17-Canada English Ratings menu

Note: blocking a rating affects all the

higher ratings, so that blocking

"PG" in the example above auto

matically blocks "14+" and "18+", whatever previous state

of these ratings was. If a password is defined while a TV

program warning is received for the current channel, sound

is muted and the following menu is displayed on the center

of screen; what's more, the rating information should be

consistent with current active program rating.

This Channel is blocked by the English Canada Rating of "C8+"

Canada French Ratings

1. G-18 ans+:

Switch the check box between view and block. default: View

Canada French Ratings	
G	View
8 ans+	View
13 ans+	Block
16 ans+	Block
18 ans+	Block

Figure 18-Canada French Ratings menu

USA TV Content Ratings

PG View Enable

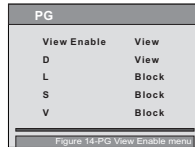
1. View Enable:

Switch the check box between view.

default: View

2. PG: Switch the check box between view.

default: View

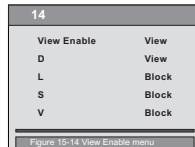


14 View Enable

1. View Enable: Switch the check box between view. default: View

2. 14: Switch the check box between view.

default: View



MA View Enable

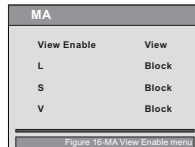
1. View Enable:

Switch the check box between view.

default: View

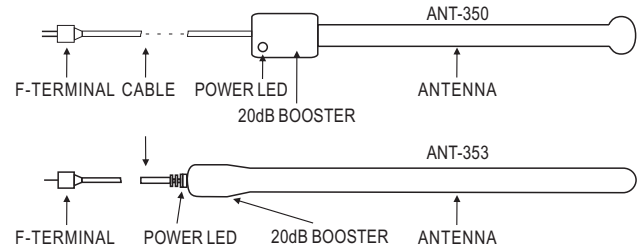
2. MA: Switch the check box between view.

default: View



Active ANT installation

1. ANT-350/353



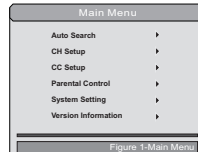
2. ANT-350/353 Installation:

1. To improve signal reception, we recommended to use an active antenna. Move antenna to a best position.
2. Tint film (sunshine shield film) will cause poor reception due to it has a metallic coating. Install antenna on a clear window position.
3. Set the antenna power supply to "ON" in the manual of receiver.
4. The five install locations are just for your reference.



Starting

1. Press the power switch on R/C unit to switch on the converter box. And press the menu key to go auto search
2. The CH+/CH- key also have a multiple function of UP/DOWN; and the VOL+/VOL- key have a multiple function of RIGHT/LEFT.
3. There are 6 items in the main menu for all available setting.



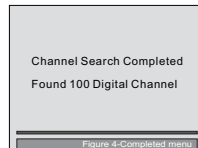
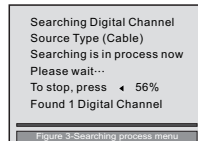
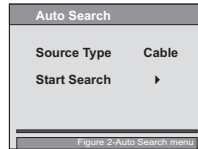
Auto Search

Source Type:

select the source type cable or antenna

- 1) Press VOL+/OK key to start auto searching process
- 2) TO stop, press EXIT/VOL- key to stop the searching process.

Note: When auto searching is completed or stop in auto searching, the following information is displayed.

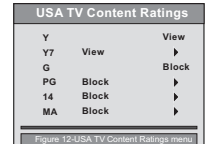


USA TV Content Ratings

1. Y to MA:

Switch the check box between view or block. default: View

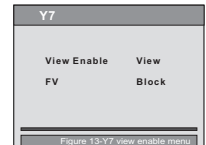
Note: blocking a rating affects all the higher ratings, so that blocking "TV-PG" in the example above automatically blocks "TV-14" and "TV-MA", whatever previous state of these ratings was. If a password is defined while a TV program warning is received for the current channel, sound is muted and the following menu is displayed on the center of screen; what's more, the rating information should be consistent with current active program rating.



This Channel is blocked by the USA TV Content Rating of "TV-G"

Y7 View Enable

1. View Enable: Switch the check box between view. default: View
2. Y7: Switch the check box between view. default: View



V-Chip & Movie Ratings Setting

V-chip Setting

1. Movie Ratings:

Enter Movie Ratings sub-menu

2. USA TV Content Ratings

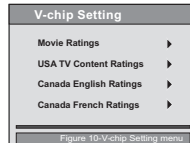
Enter USA TV Content Ratings sub-menu

3. Canada English Ratings

Enter Canada English Ratings sub-menu

4. Canada French Ratings

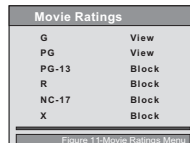
Enter Canada French Ratings sub-menu



Movie Ratings

1. G-X:

Switch the check box between view or block. default: View



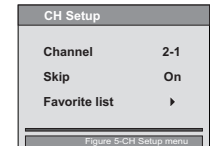
Note: blocking a rating affects all the higher ratings, so that blocking "R" in the example above automatically blocks "NC-17" and "X", whatever previous state of these ratings was. If a password is defined while a TV program warning is received for the current channel, sound is muted and the following menu is displayed on the center of screen; what's more, the rating information should be consistent with current active program rating.

This Channel is blocked by the Movie Rating of R

CH & CC Setup

CH Setup

1. Select the program in the channel
2. Switch skip status between on or off



CC Setup

1. CC Display:

Select the closed caption display options: On, Off, Muted=On default: Off

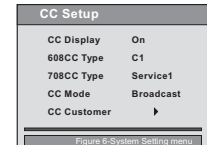
notes: "Muted = On" means "On" when sound is muted via the MUTE key

2. 608CC Type:

Select the CC type options: C1, C2, C3, C4, T1, T2, T3, T4 default: C1

3. 708CC Type:

Select the CC type options:
Service 1, Service 2, Service 3,
Service 4, Service 5, Service 6
default: Service 1



4. CC Mode:

Select the CC mode options: Broadcast, Customer
default: Broadcast

notes: when CC Mode is Broadcast, CC Customer is grayed-out and cannot be edited.

5. CC Customer:

Enter the CC Customer sub-menu

CC Customer

CC Customer

1. CC Size:

CC size options: Small ,Standard and Large default: Standard

2. CC Font:

Select the CC font options: Font 0, Font 1, Font 2, Font 3, Font 4, Font 5, Font 6 and Font 7 default: Font 1

3. CC Opacity:

Select the CC opacity options: Solid, Trnsl, and Trnsp. default: Solid

4. CC Color:

Select the CC color options: Black, White, Red, Green, Blue, Yellow, Magenta, and Cyan. default: White

5. Edge Color:

Select the Font Edge color options: Black, Gray, Red , Green , Blue , Yellow , Navy and Dark Gray. default: Black

6. Edge Type:

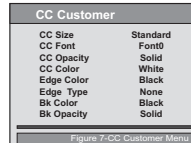
Select the Font Edge type options: None, Raised, Depressed, Outline, L.Shadow and R.Shadow. default: None

7. Bk Color:

Select the Background color option list options: Black, Gray, Dark Gray, Red, Navy, Green, Blue and Yellow. default: Black

8. Bk Opacity:

Select the Background color options: Solid, Transparent default: Solid



Parental Control

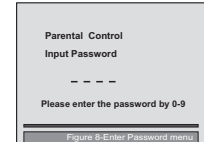
Parental Control

Before enter Parental Control menu, please enter the in order for the child not to change any settings on the Parental Control.

options: 0-9,default: ----

notes: return to upper menu

when user press "EXIT" key



If password is invalid, input numbers are cleared and you could input password again; when password is valid, enter Parental Control menu automatically.

1. V-chip Setting:

Enter the V-chip Setting menu.

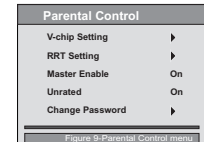
2. RRT Setting

Enter the RRT Setting menu.

3. Master Enable: switch Master Enable between on and off. default: on

4. Unrated: Switch Unrated between on and off. default: on

5. Change Password: enter Change Password sub-menu



Change Password

options: 0-9, default: ----

notes: Return to upper menu when user press

"EXIT" key, The default password is "0000"

