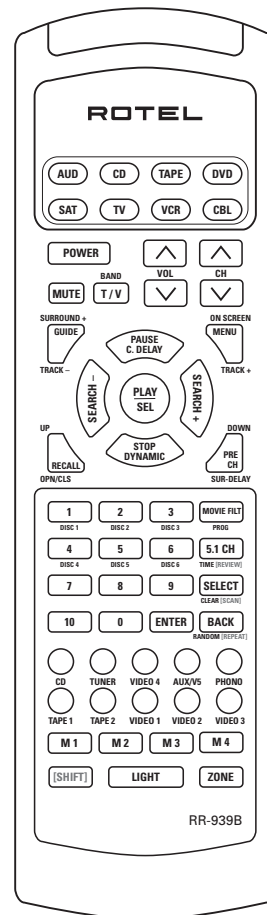
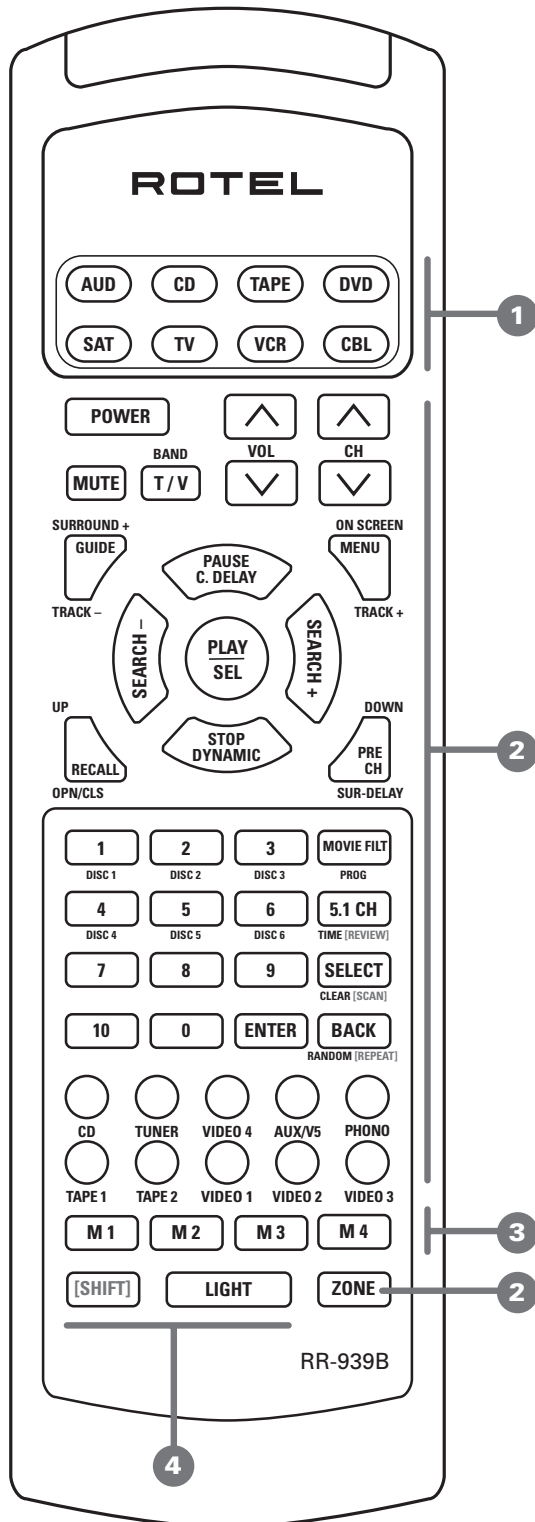


RR-939B

REMOTE CONTROL
TÉLÉCOMMANDE
FERNBEDIENUNG
MANDO A DISTANCIA
COMANDO A DISTANZA
AFSTANDSBEDIENING
FJERNBETJENING



Owner's Manual	2
Guide d'utilisation	10
Bedienungsanleitung	20
Manual de Instrucciones	30
Manuale di Istruzioni	40
Gebruiksaanwijzing	49
Brukermanual	58



.....

Introduction

Thank you for purchasing the RR-939B Universal Remote Control. It is designed to operate all current Rotel products as well as a wide range of popular audio and video components from other manufacturers. You will find that the RR-939B Remote Control is a significant improvement over conventional remotes in overall convenience and ease of operation.

Please take a few moments to read this user guide. You'll find the time well spent as it will significantly shorten your search for remote control sanity.

Some Preliminary Precautions

- The RR-939B is surprisingly rugged but it is not indestructible. So please don't drop it — particularly not on a concrete floor! With normal care, the RR-939B's low maintenance design will let you enjoy its convenience for years to come.
- When the RR-939B needs a bit of cleaning, use a soft, lint-free damp cloth.
- Above all, don't try to take the RR-939B apart. There isn't anything inside you can fix anyway and disassembly will void the warranty.

Battery Installation

Remove the RR-939B and the package of 4 AAA batteries from the packing material. Turn the RR-939B over and lift the cover off the battery compartment by compressing the release tab and lifting up.

Place the four AAA batteries inside (follow the polarity drawing on the bottom of the compartment) and replace the cover. **MAKE SURE** you install the batteries correctly!

.....

Using the RR-939B

The RR-939B can replace up to eight different remote controls. Stored in memory are control codes to operate your specific audio/video components, selected from hundreds of models in the RR-939B's extensive database. Programming the RR-939B to operate your components takes just minutes and need only be done once. See the PROGRAMMING section of this manual for easy to follow instructions.

Once the programming is complete, you select a component with the press of a button and turn the RR-939B into the remote control for your Rotel CD player or your Sony TV set or your Panasonic video recorder. Then, you simply press command buttons that duplicate the functions on the remote that came with your component.

To get started, look at the layout of the RR-939B and the following operating instructions:

Device Buttons 1

Eight buttons at the top of the RR-939B determine which set of commands is currently active. For example, if you press the AUDIO button (labeled AUD), the RR-939B becomes the remote control for your Rotel Surround Sound Processor. If you press the TV button, the RR-939B becomes the remote control for your TV set.

These buttons are also used in programming the RR-939B. See PROGRAMMING section below for details.

Command Buttons 2

This large group of buttons duplicates the functions on the remote controls for your audio/video components. A general description of these functions follows. Detailed information on the specific function of each button can be found in the CONTROL COMMANDS tables.

At the top of this group of buttons are basic controls such as Power, Volume, Channel Selection, etc.

Below these is a group of buttons that duplicate the transport functions on a tape recorder or VCR (Stop, Play, Pause, etc.) as well as the Up and Down commands that might be found on a cable or satellite TV receiver.

The next group of buttons duplicates the numeric keypad buttons such as might be used for direct track selection on a CD Player or direct channel selection on a TV set. Included in this section are special command buttons providing functions found on various components.

At the bottom of this group of buttons are ten round source selection buttons labelled CD, TUNER, TAPE, etc. These duplicate the source input selection buttons on a receiver, preamplifier, or surround sound processor. The function of these buttons is not the same as the DEVICE buttons at the top of the remote control. The DEVICE buttons determine which command set is active on the RR-939B. The source select COMMAND buttons switch inputs on the audio/video component being controlled.

To operate the RR-939B:

Step One: Press a DEVICE button to activate the commands for the desired component. This command set will remain active until you press a different DEVICE button.

Step Two: Press COMMAND buttons to operate the component you have selected.

Remember that the COMMAND buttons duplicate many controls on many different types of audio/video components and their function may vary depending on the type of component selected. For example, the PLAY/SELECT button engages the play mode on a CD Player, but it duplicates the SELECT function on a cable TV converter.

Note: The RR-939B tells you which command set is active. Each time you press a COMMAND button, the active DEVICE key blinks red to tell you which component you are controlling. If the COMMAND button that you press has no function in the active command set (for example, the numeric keys in VCR mode), no DEVICE button will blink, indicating that the COMMAND button is inactive.

The COMMAND buttons are labelled, often with multiple labels if the button serves different purposes for different kinds of components. As long as you remember that pressing a DEVICE button turns the RR-939B into, for example, a CD player remote control or a VCR remote control, the functions of each button should be intuitive. Tables listing the function of each button for each type of component are supplied with this manual.

A few buttons have a second function, activated by pressing and releasing the SHIFT button before pressing the COMMAND button, as described below.

Macro Buttons 3

A macro is a series of individual commands triggered by pressing one button. Macros make operating a complex home entertainment system much easier. For example, think of playing a videotape: You turn on the TV, turn on the VCR, select the TV input connected to the VCR, and, finally, put the VCR into Play mode. That's four separate commands — and it may take you as many as six pushes on various buttons to execute them. A macro makes this simpler by executing all the needed commands with just one push of a button.

RR-939B

**REMOTE CONTROL
TÉLÉCOMMANDE
FERNBEDIENUNG
MANDO A DISTANCIA
COMANDO A DISTANZA
AFSTANDSBEDIENING
FJERNBETJENING**

The Rotel Co. Ltd.

10-10 Shinsen-Cho
Shibuya-Ku
Tokyo 150-0045
Japan

Phone: +81-3-5458-5325

Fax: +81-3-5458-5310

Rotel of America

54 Concord Street
North Reading, MA 01864-2699
USA

Phone: +1 978-664-3820

Fax: +1 978-664-4109

Rotel Europe

Meadow Road
Worthing, West Sussex BN11 2RX
England

Phone: +44 (0)1903 524 813

Fax: +44 (0)1903 524 831

Rotel Deutschland

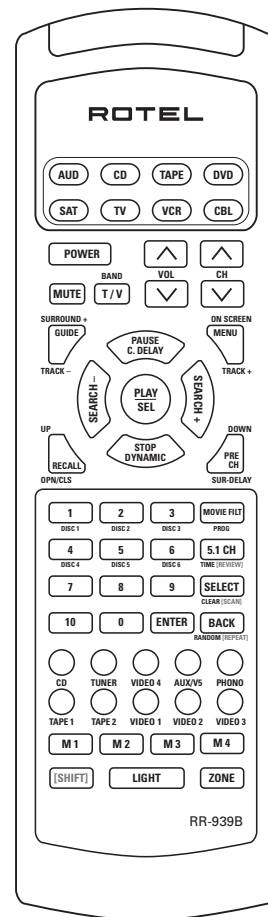
Kleine Heide 12
D-33790 Halle/Westf.
Germany

Phone: +49 5201-87170

Fax: +49 5201-73370

RR-939B

REMOTE CONTROL
TÉLÉCOMMANDE
FERNBEDIENUNG
MANDO A DISTANCIA
COMANDO A DISTANZA
AFSTANDBEDIENING
FJERNBETJENING



Codes and Commands
Codes de Commande
Gerätetasten und Codenummern
Códigos y Ordenes
Comandi di controllo
Code Lijst en Functie Commandos
Kodeliste og Kontroll Kommandoer



3-Digit Code List
 Le Codes de Trois Chiffres
 Lista de Códigos Numéricos
 Liste der Dreizifferncodes
 Elenco codici a tre cifre
 De 3-cijferige Code Lijst
 3-sifret kodeliste

AUDIO

Rotel RSP966	001 002	McIntosh	026
Rotel RSP975	001 002	Mission	020 023
Rotel RX975	001	NAD	027 028 029
Rotel RSX965	001	Nakamichi	030 032 033
Rotel RSX965RDS	001	Onkyo	034 035 036 037
Rotel RTC965	001		038
Rotel RSP976	001 002	Pioneer	039 040 041 042
Rotel RT955	001		043 044 045
Rotel RA985	001 002	Proceed	046
Rotel RC995	001 002	Sony	046 047 048 049
Rotel RC972	001 002		050 051 052 053
Rotel RSP985	001 002	Yamaha	054 055
Rotel RSP980	001 002		056 057 058

CD

Rotel RCD930	001
Rotel RCD951	001
Rotel RCD971	001
Rotel RCD991	001
Rotel RCD950	001
Rotel RCC945	001
Rotel RCC955	001
Rotel RCD970	002
Rotel RCD975	002
Rotel RCD855	002
Rotel RCD865	002
Rotel RCD955	002
Rotel RCD965	002
Rotel RCD945	002
Rotel RCC935	003
Rotel RCC940	003
Rotel RCD940	003
Rotel RCD990	004
Rotel RMZ955	005
Adcom	006 007
Arcam	008
Denon	009 010
JVC	011 012 013 014
	015 016
Krell	017
Marantz	018 019 020 021
	022 023 024 025

DVD

Rotel	012
Denon	001
JVC	012
LG	010
Magnavox	013
Mitsubishi	002
Panasonic	003
Philips	013
Pioneer	004
Proscan	005 006
RCA	005 006
Samsung	011 015
Sony	007
Toshiba	008
Yamaha	009

LDP

Daewoo	024
Denon	030
Goldstar	027
Kenwood	025
Magnavox	026
Optimus	032
Panasonic	021
Philips	026
Pioneer	020 034
RCA	031
Realistic	032
Samsung	023 029
Sharp	025 028
Sony	022
Technics	021
Toshiba	025
Yamaha	033

TAPE

Rotel RD960	001
Rotel RMZ955	003
Denon	011 012
Pioneer	004 007 008
Pioneer (LD)	002
Yamaha	005 006 009

TV

Admiral	072 081 161
Akai	001
Ampro	073
Anam	043 055 056 080
	131
AOC	001 004
Candle	001 003 004
Cetronic	043
Citizen	001 003 004 101
	143
Classic	043
Concerto	004
Contec	043
Coronado	143
Crown	143
Curtis Mathes	001 004 101 143
CXC	043
Daewoo	004 055 076 103
	111 114 127 143
Daytron	004 143
Dynasty	043
Electrohome	024 143
Emerson	001 004 005 028
	043 048 076 096
	143 155
Fisher	007 057
Funai	028 043
Futuretech	043
GE	004 034 056 073
	130 144 155 160
	161
Goldstar	004 106 127 143
Grundig	004 007 010 011
	012 023 075 143
	158 163 203 204
	205 207 209
Hallmart	004
Infinity	164
JBL	164
JCP	001
JCPenny	004 024 030 065
	101 143 160
JVC	034 038 070
Kenwood	001 070
Kloss	059
KTV	043 143
Lodgenet	072
Logik	072
Luxman	004
LXI	007 015 052 081
	160 164
Magnavox	001 003 004 022
	059 060 063 127
	164
Marantz	001 164
Mitsubishi	004 024 109
MTC	001 004 101

NAD	015 025
NEC	001 019 024 056
	130 134
Nikei	043
Onking	043
Onwa	043
Optonica	019 081
Panasonic	034 056 080 164
Philco	001 003 004 024
	056 059 060 063
	127 143 164
Philips	001 003 004 005
	038 059 093 164
	180 181 182 183
	184 185 186 187
	188 189 190 192
Pioneer	004 023 025 135
	176
Portland	004 143 144 160
	161
Proton	004 131 143 171
	173
Quasar	034 056
Radio Shack	004 019 127 143
RCA	001 004 023 024
	056 065 144 152
	156 160 161
Realistic	007 019
Runco	072 168 169
Sampo	001 004
Samsung	004 101 127 133
	143 160
Sanyo	007 057 082
Scott	004 028 043 048
	143
Sears	004 007 015 028
	030 057 082 094
	143 160
Sharp	004 014 019 022
	028 143 175
Signature	072
Sony	070 126
Soundesign	003 004 028 043
SSS	004 043
Sylvania	001 003 059 060
	063 127 160 164
Symphonics	052
Tandy	081
Tatung	056
Technics	034 080
Techwood	004
Teknika	003 004 024 028
	043 072 101 143
Telerent	072
Thomson	194 195 196 197
	198 199 200 201
TMK	004
Toshiba	015 030 101
Television	143
Vidikron	174
Vidtech	004
Wards	004 019 028 060
	063 072 164
Yamaha	004
York	004
Yupiteru	043
Zenith	072 073 095 103

VCR

Aiwa	034 043
Ampro	072
Anam	031
Audio Dynamics	012 023 043
Broksonic	035 037
Canon	031
Craig	001 040
Curtis Mathes	031 041
Daewoo	005 010 017 111 117
DBX	012 023 043
Dynatech	034 053
Electrohome	059
Emerson	006 017 029 031 034 035 037 101 131 153
Fisher	001 008 009 010
Funai	034
GE	031 072 107 109 144 147
Go Video	132
Goldstar	004 012 101
Grundig	160 162 163 164 165 166
Harman Kardon	012
Hitachi	018 026 034 043 150
Instant Replay	031
JCL	031
JCPenny	004 012 040 101
Jensen	043
JVC	012 031 043 048 055 060 130 150 152
Kenwood	014 034 048
Lloyd	034
LXI	001 004 009 017 034
Magin	040
Magnavox	031 034 041 067
Marantz	012 031 067 069
Marta	101
Matsui	030
MEI	031
Memorex	001 010 014 031 034 040 053 072 101
MGA	059
Minolta	004
Mitsubishi	004 059 061
MTC	034 040
Multitech	034
NEC	012 023 043 048
Nordmende	043
Optonica	053 054
Panasonic	070
Pentax	004 031
Philco	031 034 067
Philips	031 034 054 067 101 162 166 167 168 169 170
Pilot	101
Pioneer	004 021 048
Pulsar	072
Quartz	014
RCA	004 034 040 041 107 109 144 147

Realistic	001 008 010 014 030 034 040 053 054 101
Ricoh	058
Runco	072
Salora	014
Samsung	017 040 107 109 113
Sansui	043 048
Sanyo	001 010 014 040
Scott	017 037 131
Sears	001 004 008 009 010 014 017 081 101
Sharp	031 054
Sony	001 009 031 052 056 057 058
Soundesign	034
STS	004
Sylvania	031 034 059 067
Symphonic	034
Tandy	010 034
Tatung	043
Teac	034 043
Technics	031 070
Teknika	031 034 101
Thomas	034
Thomson	177 178
TMK	006
Toshiba	004 008 017 059 082 131
Totevision	040 101
Unitech	040
Vector Research	012
Victor	048
Video Concepts	012 034
Videosonic	040
Wards	001 004 017 031 034 040 053 054 131
Yamaha	012 034 043
Zenith	034 048 056 058 072 080 101

SAT

GE	001
Echostar	006
Hitachi	011 012
Hughes	003
Panasonic	013
RCA	001
Sony	004
Toshiba	008

CABLE

Americast	005
Jerrold	006 007
Pioneer	001 002 003
Scientific-Atlanta	004
Tocom	010
Zenith	008 009

Rotel Control Commands

Codes de Commande

Gerätetasten und Codenummern für Rotel-Geräte

Ordenes de Control

Comandi di controllo Rotel

Rotel Functie Commandos

Rotel kontrollkommandoer

Note: [SHIFT] button functions shown in italics

Remarque: les fonctions de la touche [SHIFT] sont données en italique.

Hinweis: Die mit der [SHIFT]-Taste zu aktivierenden Funktionen sind kursiv gedruckt.

Nota: Las teclas de función [SHIFT] se indican en cursiva.

Nota: Le funzioni del tasto [SHIFT] sono evidenziate in corsivo.

Attentie: (SHIFT) knop functies worden in italic getoond.

NB: Funksjonene under SHIFT-knappen er anvist i kursiv.

ROTEL

	RTC975/RSP975	RSP985	RTC940/950
	RSX965/RTC965	RSP980	
	RA985/RT955	RT940/RTC970	
	RC995/972/RSP976	AUDIO 001	AUDIO 002
		AUDIO 003	
POWER	Power	Power [Pow]	Power
VOL+	Volume +	Volume +	Volume +
VOL –	Volume –	Volume –	Volume –
MUTE	Mute [Preset]	Mute	Mute
PLAY	Enter	Enter	
STOP	Dynamic	Stop	
SEARCH –	–	–	
SEARCH +	+	+	
PAUSE	C. Delay	Pause	
RECALL	Recall	Up	
GUIDE	Surround +	Surround +	
MENU	On Screen	Menu	
PRE CH	Sur. Delay	Down	
T/V	Band [T/Pre]	Band	Band
CH +	Tuning +	Tuning +	Tuning +
CH –	Tuning –	Tuning –	Tuning –
0	0	0	
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	
10		10	Plus 8
ENTER	Out. Balance	Enter	
MOVIE FILT	Movie Filter	Movie Filter	
5.1 CH	5.1 Channel	5.1 Channel *	
SELECT	Input Select	Center Focus	
BACK	Bal. Check	Back	
TUNER	Tuner	Tuner	Tuner
CD	CD	CD	CD
TAPE 1	Tape 1	Tape Monitor	Tape 1
TAPE 2	Tape 2	Tape 2	Tape 2
PHONO	Phono/LD	Phono/LD	
VIDEO 1	Video 1	Video 1	
VIDEO 2	Video 2	Video 2	
VIDEO 3	Video 3	Video 3	
VIDEO 4	Aux 1	Aux 1	Aux 1
AUX/V5	Aux 2	Aux 2	
[SHIFT]	Off	Off	
ZONE	Zone/Rec	Zone/Rec	

RR-939B

	RMZ955	RC991/971	RC975/970/965
		RC950/951/930	RC955/945
		RCC945/955	
	AUDIO 004	CD 001	CD 002
POWER	Standby		
VOL+	Volume +		
VOL –	Volume –		
MUTE	Mute		
PLAY	Play	Play	Play
STOP	Stop	Stop	Stop
SEARCH –	Rewind	Search –	Search –
SEARCH +	Fast Forward	Search +	Search +
PAUSE		Pause	Pause
RECALL		Open/Close	
GUIDE		Track –	Track –
MENU		Track +	Track +
PRE CH			
T/V	Fav. Station	A – B	A – B
CH +	Preset +		
CH –	Preset –		
0		10	0
1		1 [Disc 1]	1
2		2 [Disc 2]	2
3		3 [Disc 3]	3
4		4 [Disc 4]	4
5		5 [Disc 5]	5
6		6 [Disc 6]	6
7		7	7
8		8	8
9		9	9
10		Plus 10	
ENTER		Disc Select	Disc Select
MOVIE FILT		Program	Program
5.1 CH		Time [Review]	Time [Review]
SELECT	Select	Clear [Scan]	Clear [Scan]
BACK	Back	Random [Rep]	Random [Rep]
TUNER	Tuner		
CD	CD		
TAPE 1	Tape/SAT		
TAPE 2			
PHONO			
VIDEO 1	Video/CD		
VIDEO 2	X		
VIDEO 3			
VIDEO 4			
AUX/V5			
[SHIFT]			

* RTC970 requires [Shift] function for 5.1 CH input

* On droit utiliser la fonction [SHIFT] pour commander l'entrée du canal 5.1 CH de l'appareil RTC970

* El RTC-970 requiere la función [Shift] para la entrada de 5.1 canales

* Beim RTC-970 muß für den 5.1-Eingang die [SHIFT]-Taste gedrückt werden

* L'RTC-970 richiede la funzione [SHIFT] per l'ingresso del canale 5.1

* RTC970 heeft een (SHIFT) functie voor de 5.1 ingang nodig

* RTC-970 krever SHIFT-funksjon for 5.1 inngang

ROTEL

	RCC935 RCC940 RCD940	RCD990	RMZ955
	CD 003	CD 004	CD 005
POWER			
VOL+			
VOL -			
MUTE			
PLAY	Play	Play	Play
STOP	Stop	Stop	Stop
SEARCH -	Search -	Search -	Skip -
SEARCH +	Search +	Search +	Skip +
PAUSE	Pause	Pause	
RECALL		Open/Close	
GUIDE	Track -	Track -	
MENU	Track +	Track +	
PRE CH			
T/V			
CH +			
CH -			
0	0	0	
1	1 [Disc 1]	1	
2	2 [Disc 2]	2	
3	3 [Disc 3]	3	
4	4 [Disc 4]	4	
5	5 [Disc 5]	5	
6	6	6	
7	7	7	
8	8	8	
9	9	9	
10			
ENTER	Disc Select		
MOVIE FILT	Program	Program	Disc
5.1 CH	Time [Review]	Time [Review]	
SELECT	Clear [Scan]		
BACK	Random [Rep]	Random [Rep]	Random
TUNER			
CD			
TAPE 1			
TAPE 2			
PHONO			
VIDEO 1			
VIDEO 2			
VIDEO 3			
VIDEO 4			
AUX/V5			
[SHIFT]			

RR-939B

	RD960	Pioneer LD	RMZ955
	TAPE 001	TAPE 002	TAPE 003
POWER		Power	Power
VOL+			
VOL -			
MUTE			
PLAY	Play	Play	Play
STOP	Stop	Stop	Stop
SEARCH -	Rewind	Rewind	Rewind
SEARCH +	Fast Forward	Fast Forward	Fast Forward
PAUSE	Pause	Pause	
RECALL	Record	Open/Close	
GUIDE			
MENU			
PRE CH			
T/V			
CH +		Skip +	
CH -		Skip -	
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
ENTER			
MOVIE FILT			
5.1 CH			
SELECT			
BACK			
TUNER			
CD			
TAPE 1			
TAPE 2			
PHONO			
VIDEO 1			
VIDEO 2			
VIDEO 3			
VIDEO 4			
AUX/V5			
[SHIFT]			

	TV	VCR	CABLE
POWER	Power	Power	Power
VOL+	Volume +		Volume +
VOL -	Volume -		Volume -
MUTE	Mute		Mute
PLAY	Select	Play	Select
STOP	Down	Stop	Down
SEARCH -	Left	Rewind	Left
SEARCH +	Right	Fast Forward	Right
PAUSE	Up	Pause	Up
RECALL	Clear/Std.	Record	Exit
GUIDE	Display/Rec.		Guide
MENU	Menu		Menu
PRE CH	Prev. Channel		Prev. Channel
T/V	TV/VCR	TV/VCR	Switch
CH +	Channel +	Channel +	Channel +
CH -	Channel -	Channel -	Channel -
0	0		0
1	1		1
2	2		2
3	3		3
4	4		4
5	5		5
6	6		6
7	7		7
8	8		8
9	9		9
10			Pay Per View
ENTER	Enter		Enter
MOVIE FILT	Sleep Timer		Fav. Station
5.1 CH			Info
SELECT			Bypass
BACK			Music
TUNER			Page +
CD			Day +
TAPE 1			Day -
TAPE 2			Page -
PHONO			
VIDEO 1			
VIDEO 2			
VIDEO 3			
VIDEO 4			
AUX/V5			
[SHIFT]			

	DVD	SAT
POWER	Power	Power
VOL+	Volume +	Volume +
VOL -	Volume -	Volume -
MUTE	Mute	Mute
PLAY	Play	Select
STOP	Stop	Down
SEARCH -	Search -	Left
SEARCH +	Search +	Right
PAUSE	Pause	Up
RECALL	Open/Close	Exit
GUIDE	Guide	Guide
MENU	Menu	Menu
PRE CH	Return	Prev. Channel
T/V		Switch
CH +	Skip +	Channel +
CH -	Skip -	Channel -
0		0
1		1
2	Up	2
3		3
4	Left	4
5		5
6	Right	6
7		7
8	Down	8
9		9
10		
ENTER	Enter	Enter
MOVIE FILT	Sub. On/Off	Fav. Station
5.1 CH	Display	Info
SELECT	Clear	Next
BACK		Alt
TUNER		
CD		
TAPE 1		
TAPE 2		
PHONO		
VIDEO 1		
VIDEO 2		
VIDEO 3		
VIDEO 4		
AUX/V5		
[SHIFT]		

RR-939B

**REMOTE CONTROL
TÉLÉCOMMANDE
FERNBEDIENUNG
MANDO A DISTANCIA
COMANDO A DISTANZA
AFSTANDSBEDIENING
FJERNBETJENING**

The Rotel Co. Ltd.

10-10 Shinsen-Cho
Shibuya-Ku
Tokyo 150-0045
Japan

Phone: +81-3-5458-5325

Fax: +81-3-5458-5310

Rotel of America

54 Concord Street
North Reading, MA 01864-2699
USA

Phone: +1 978-664-3820

Fax: +1 978-664-4109

Rotel Europe

Meadow Road
Worthing, West Sussex BN11 2RX
England

Phone: +44 (0)1903 524 813

Fax: +44 (0)1903 524 831

Rotel Deutschland

Kleine Heide 12
D-33790 Halle/Westf.
Germany

Phone: +49 5201-87170

Fax: +49 5201-73370