

Table of Contents

Dear Customers

Thank you for purchasing this Panasonic DVD Video Recorder. We strongly recommend that you carefully study the Operating Instructions before attempting to operate the recorder and that you note the listed precautions.

The model number and serial number of this recorder can be found on either the back or the bottom of the recorder. Please note them in the space provided below and retain this booklet as a permanent record of your purchase to aid identification in the event of theft.

MODEL NUMBER:
SERIAL NUMBER:

General Information

Safety information	4
Precautions	5
Disc information and care	6
Accessories	8
Front panel controls and functions	9
Rear panel connections	10
Display information	11
Remote control functions	13

Preparation

Remote control unit preparation	14
Basic connections	15
Auto Tuning	17
Channel Settings	18
• Auto Tuning Using the Menu Display	18
• Manual Channel Setting	19
• Channel Captions	19
• VCR Plus+ CH Setting	20
Setting the remote control for TV operation	20
Inserting discs	21

Playback

Playing discs	22
• Listening through headphones	23
• When the menu screen has appeared	24
• Play without using the menu	25
Using the menu	26
• Operating the DVD menu	26
• Selecting a title	27
Playback modes	28
• Play pause (still picture), frame advance (reverse), slow playback, fast forward and reverse search playback	28
• Using the jog dial and shuttle ring	30
• Skipping chapters, tracks, and programs	32
• One-minute skip	34
• Playing back selected chapters or tracks by designating numbers (direct search)	34
Program playback	35
Random playback	36
Operations using the menu bar (overview)	37
• Menu bar basic operations	37
• Screen displays	38
• Disc information screen	40
• Unit information screen	42
• Shuttle screen	44
Operations using the menu bar (details)	45
• Storing favorite positions in the memory (markers)	45
• Playback from marker positions	47
• Repeat playback between two designated points (A-B repeat)	49
• Repeat playback of an entire disc, program, title, chapter or track	50
• Repeating programmed tracks	51
• Changing the viewing angle	51

Recording and Erasing

Recording TV programs	52
• Recording procedure	52
• Adjusting the recording level	54
• Watching one program while recording another	54
End time programmed recording	55
Erasing recorded programs	56
• Erasing programs one at a time	56
• Erasing all the programs at once	57
• Erasing programs one at a time with the erase list	58
• Erasing all the programs at once with the erase list	60
Timer Recordings	62
• Programming with the VCR Plus+ Function	62
• Programming with the on screen display	64
Viewing the last recorded/timer recorded program immediately	67

HANDY FUNCTIONS

Using the direct navigator	68
Direct navigator program functions	70
Direct navigator disc functions	76
Creating and playing play lists	80
• Creating play lists	80
• Playing back play lists	81
Editing play lists	82
Entering titles	87
Virtual Surround Sound (V.S.S.)	88
• Enjoying V.S.S. through the front speakers	88
• Enjoying V.S.S. through the headphones	89
Cinema picture quality	89
Digital noise reduction (DNR)	90
Audio mode	91
On screen display information	92
• Counter display information	93
• Switching the displays	94
Programming the remote control	95

Advanced Connections

Connecting an external component	97
Dubbing / Editing	98
Connecting a cable TV box (adaptor)	99
Connections to other video components	101
Advanced connections guide	102
Advanced connections	104
• Configuring a Dolby Digital 3/2.1 channel surround system (basic system)	104
• Connecting a 3/2.1 channel surround system using an amplifier with a built-in Dolby Digital & dts decoder	105
• Connecting to a 2-channel analog amplifier	106
• Connecting to a 2-channel digital amplifier	106
• Recording on a deck connected to the amplifier	106
• Recording directly onto an MD, etc.	106
Digital photo printer connections	107

Initial Settings

Changing the initial settings	108
1 Set Up	110
2 Video Settings	116
3 Audio Settings	122
4 Re-initialize Setting	127
5 Disc Format	128
6 Clock Settings	129
7 Channel Settings	18

Useful Information

TV screen line-up	132
Troubleshooting	133
• Self-diagnosis display function	133
Error messages	136
Q&A	137
Glossary	138