

# CONFIDENTIAL

## How to Use This Manual

### Purpose and Target Readers

This manual is designed to provide the user with an understanding the functions of Memory Manager for Linux. This manual is written for engineers who use Memory Manager.

Particular attention should be paid to the precautionary notes when using the manual. These notes occur within the body of the text, at the end of each section, and in the Usage Notes section.

The revision history summarizes the locations of revisions and additions. It does not list all revisions. Refer to the text of the manual for details.

Please refer to documents of software and hardware for a target system implementing Memory Manager as necessary. The following documents are related documents. Make sure to refer to the latest versions of these documents. The newest versions of the documents listed may be obtained from the Renesas Electronics Web site.

Document Type	Description	Document Title	Notes
User's manual for Hardware	Hardware specifications (pin assignments, memory maps, peripheral function specifications, electrical characteristics, timing charts) and operation description Note: Refer to the application notes for details on using peripheral functions.	R-Car Series, 3 <sup>rd</sup> Generation User's Manual: Hardware	
User's manual for Software	Description of Memory Manager	Memory Manager for Linux	This manual

# CONFIDENTIAL

## Notation of Numbers and Symbols

This manual uses following notation.

Binary	0bXXXXXXXX (X=0 or 1)
Decimal	XXX (X=0-9)
Hex	0xXXXXXXXX (X=0-9,A-F)

# CONFIDENTIAL

## List of Abbreviations and Acronyms

Abbreviation	Full Form
MMNGR	Memory Manager
CMA	Contiguous Memory Allocator
DTV	Digital Terrestrial Television
SSP	Stream processor
MMP	Multimedia Package
VSP	Video Signal Processor
FDP	Fine Display Processor
FCP	Frame Compression Processor
FCPV	FCP for VSP
FCPF	FCP for FDP
FCNL	Near lossless data compression
IPL	Initial Program Loader

## List of Terminologies

Terms	Explanation
Lossy	FCNL offered by FCPV and FCPF
MMU	Memory Management Unit
IPMMU	MMU for IP
PMB	Privileged space Mapping Buffer

All trademarks and registered trademarks are the property of their respective owners.