

SONY.

Compact MPEG Wireless System

DLXA-002

OPERATION MANUAL

For the customers in the USA

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Important Notice

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and body (excluding extremities: hands, wrists and feet).

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1. Introduction and Features

1-1. Introduction

The DLXA-002 is a wireless transmitter using Orthogonal Frequency Division Multiplexing (OFDM) modulation technology. The OFDM transmitter transfers data such as pictures, audio and etc. at a rate of 4 to 15 Mbps within 8MHz bandwidth in the Industrial, Scientific and Medical (ISM) band. It consists of MPEG encoder, modulator and RF circuit. The DLXA-002 is docked onto a Sony Camcorder and works only with the signal from Sony Camcorder. The signal of the DLXA-002 is received by the optional antenna and tuner/de-modulator.

1-2. Features

1-2-1. COFDM Transmission

- Provides very stable RF link
- Excels in high multi-path environments
- Significantly outperforms the analog FM system

1-2-2. Mobility

- Omni-directional Antenna offers more shooting flexibility due to stable RF link

1-2-3. Fast set up and ease of use

- Dockable to camcorder
- Compact transmitter
- Built-in MPEG-2 encoder/COFDM modulator/RF
- Eliminates triax cable usage

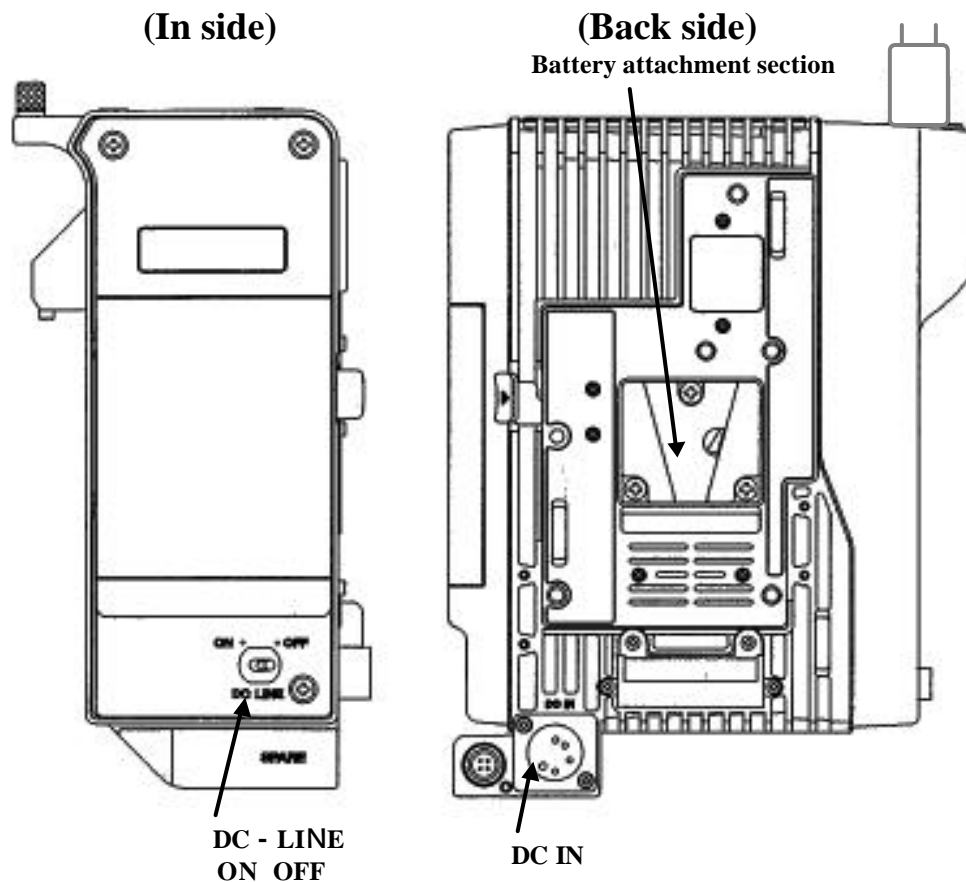
1-2-4. MPEG-2 Encoding

- High Picture Quality

1-2-5. Low Power Consumption

- One hour operation using BP-L60A battery

2. Locations and Functions of Parts



Battery attachment Section

Attaches a BP-L60A Battery Pack

DC IN (DC power input) connector (XLR type,4-pin, male)

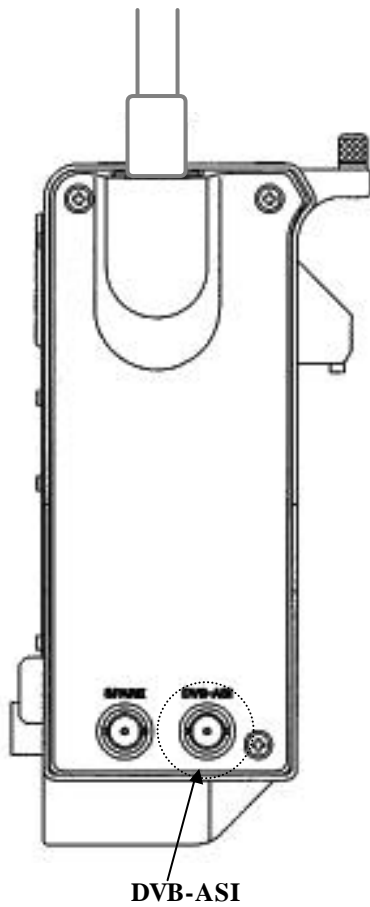
The external DC is fed to the camcorder through DLXA-002.

The power switch of the camcorder and the DLXA-002 are managed independently. The camcorder works even if the DLXA-002 is turned off.

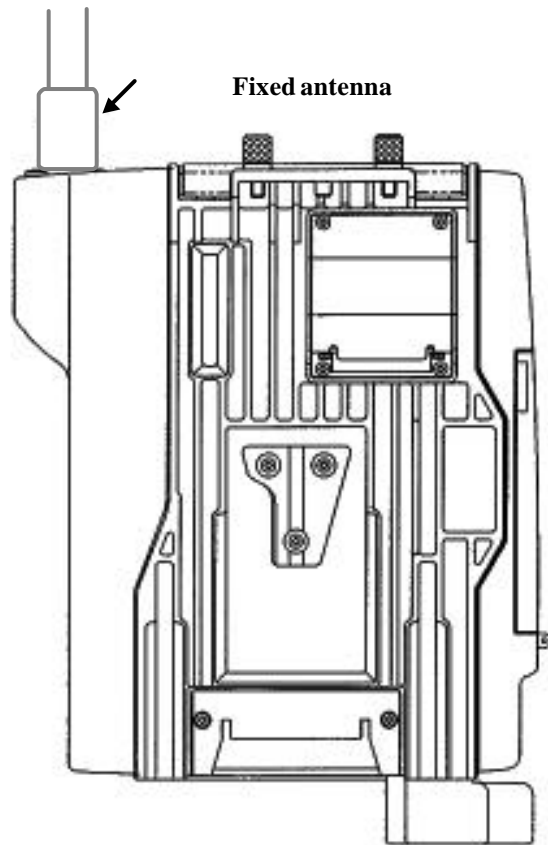
DC-LINE switch

This switch turns the power to the DLXA-002 and off.

(Left view)



(Front view)



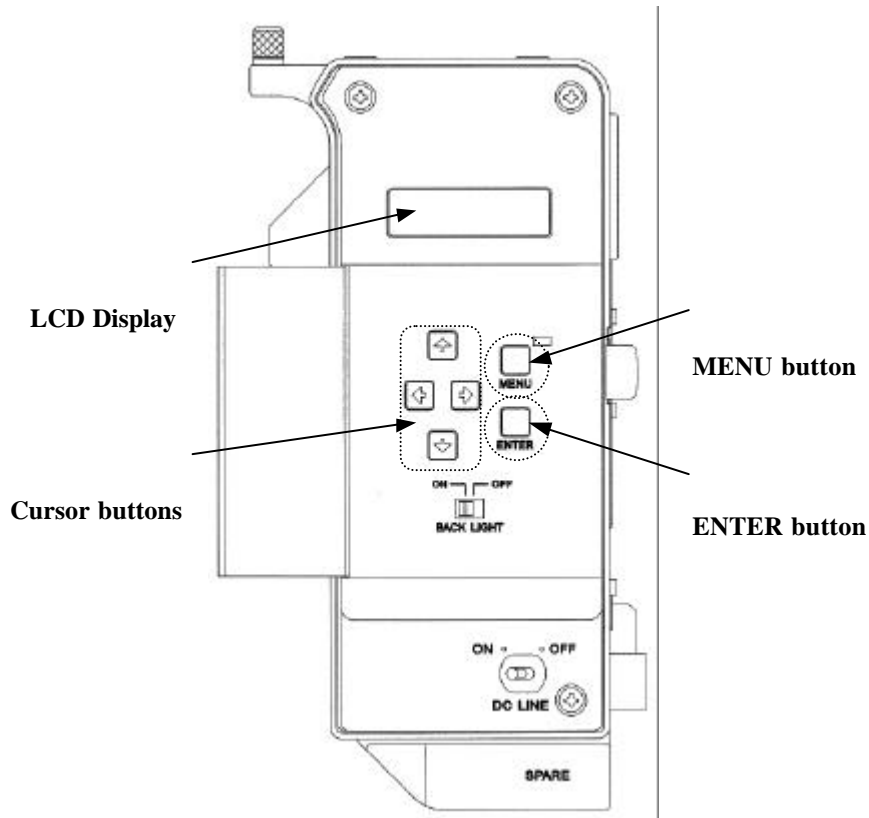
DVB-ASI

For DVB serial bit stream output.

Antenna

It is unable for user to change the antenna.

Operation panel (Right view)



LCD display

The LCD indicates Status, Setup menu, Items parameters and variables.

Cursor buttons

While at Menu mode, use these keys for changes.

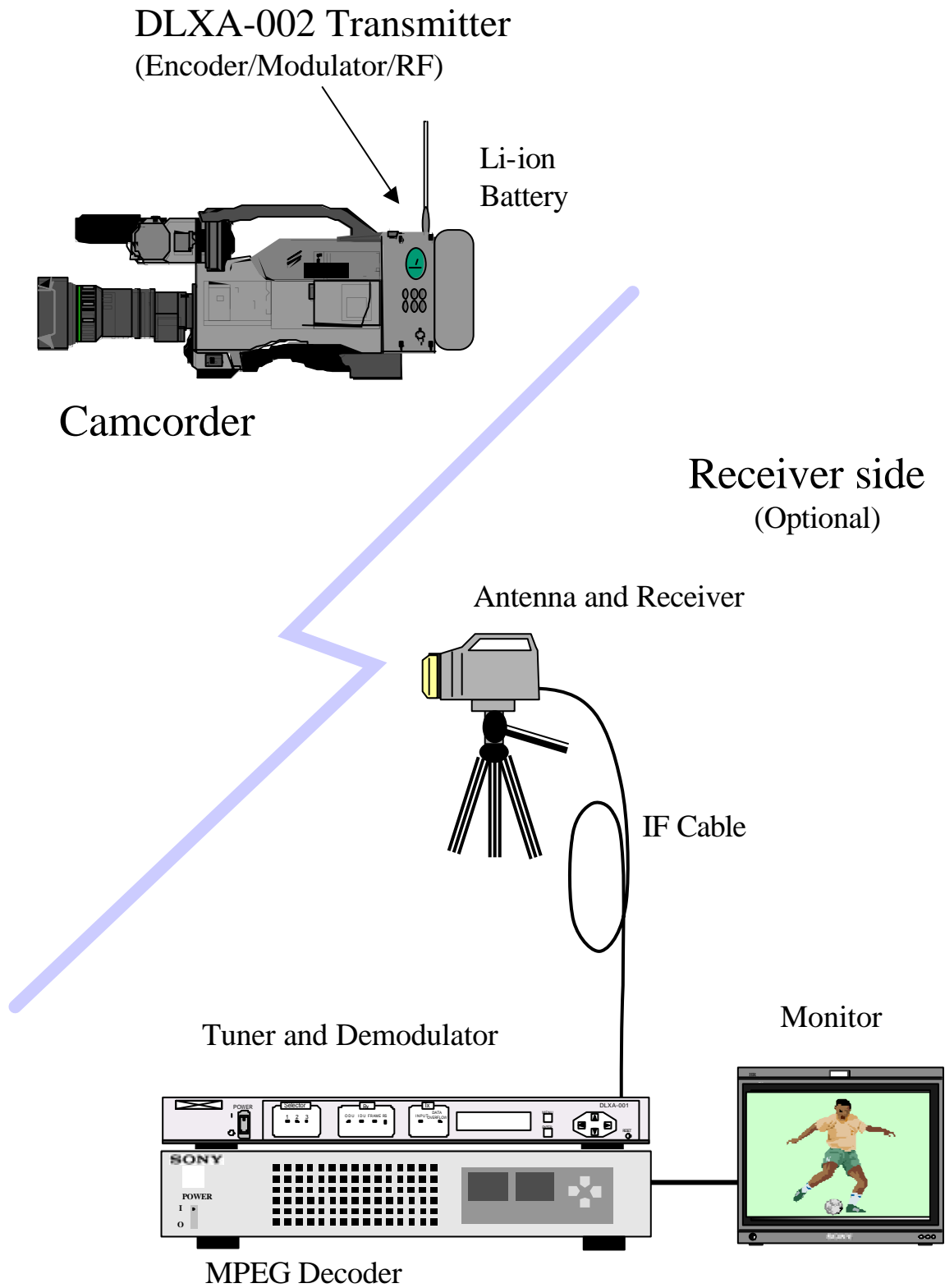
MENU button

For selection of the modes.

ENTER button

To register the selection at the cursor position in each mode.

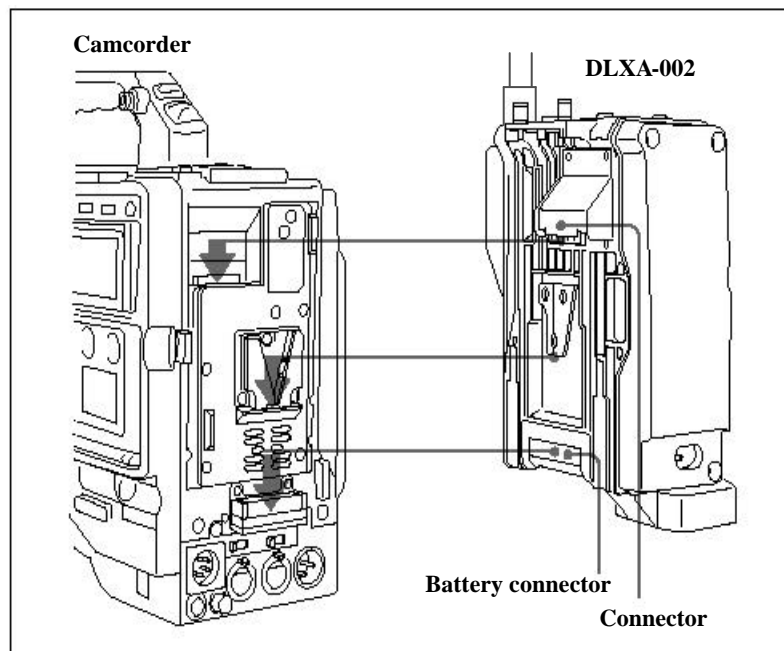
3. System Configuration Example



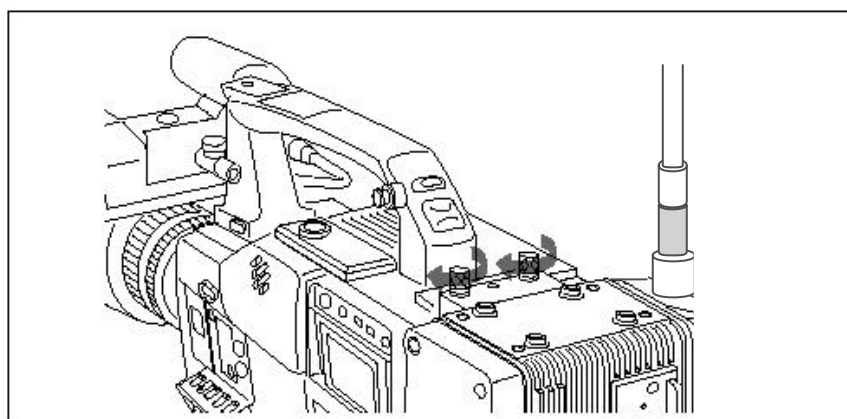
4. Connections

Attaching the DLXA-002 to a Camcorder

1. Attach the DLXA-002 to the back of the Camcorder



2. Tighten the screws.



5. Menu Operations

5. 1 Operations

Turn on

The DLXA-002 starts to operate when both DC-LINE switch and a camcorder power switch are turned on.

The last status memory

When the DLXA-002 is turned off, the status information on the LCD is stored and then stops to work.

Save & Load

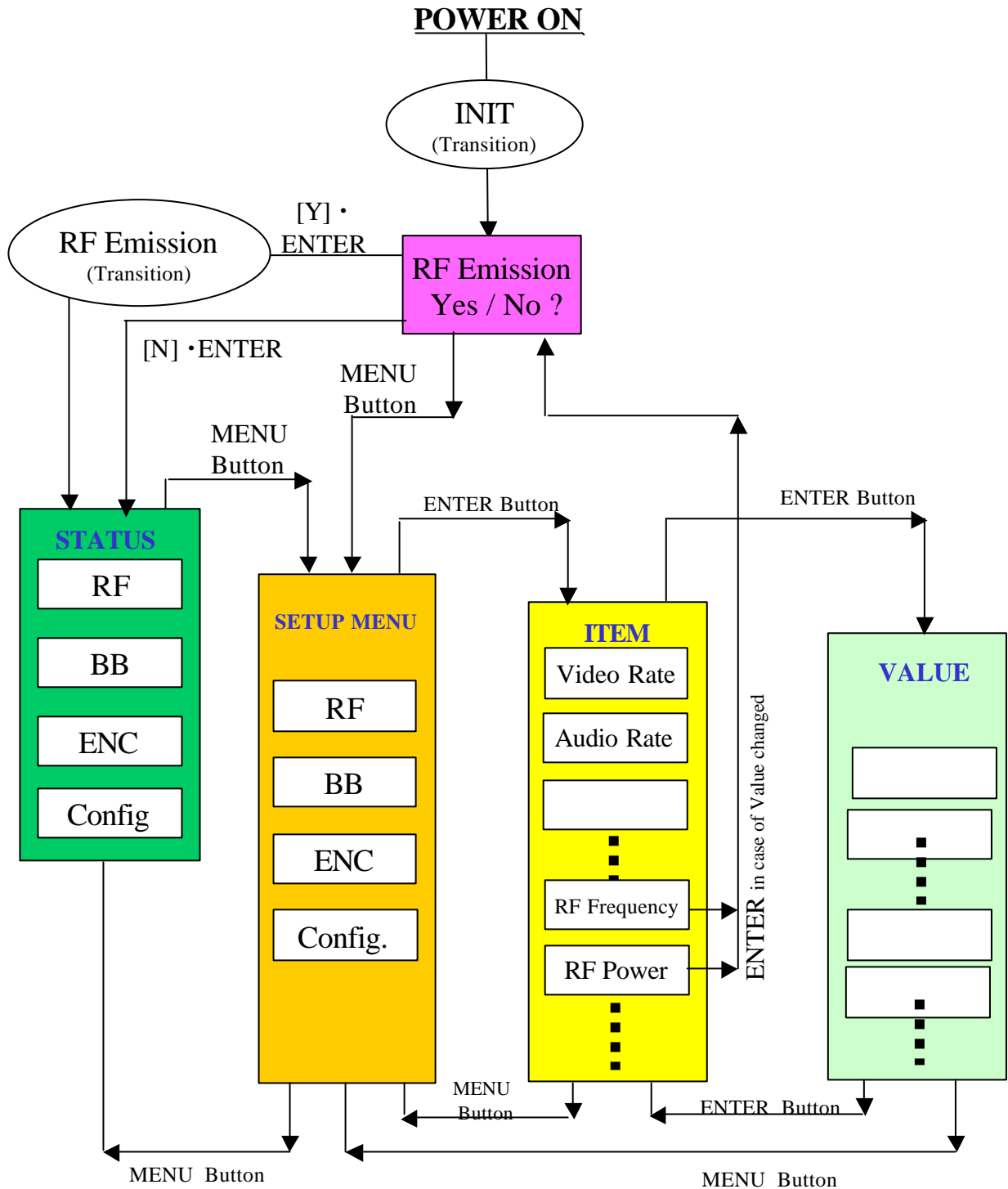
The Configuration Window mode enables to save eight mode combinations as pre-set program, and to load them with ease.

5. 2 Frequency Table

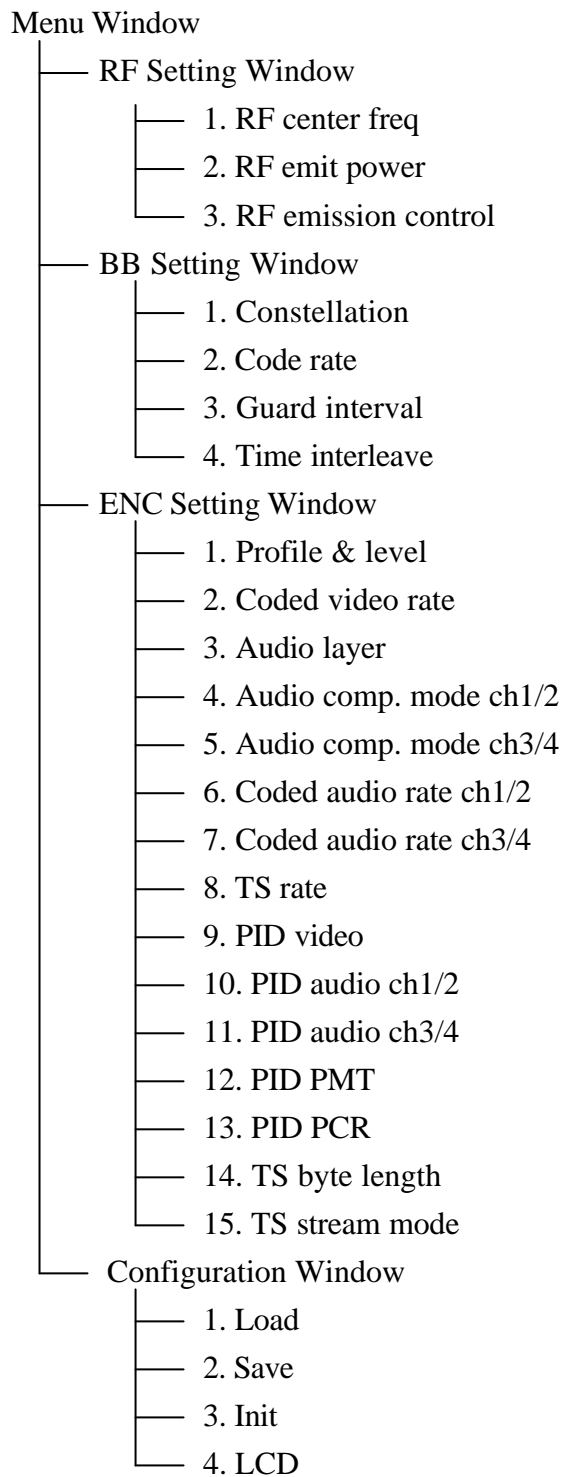
				In MHz	
			2,406	2,408	
2,410	2,412	2,414	2,416	2,418	
2,420	2,422	2,424	2,426	2,428	
2,430	2,432	2,434	2,436	2,438	
2,440	2,442	2,444	2,446	2,448	
2,450	2,452	2,454	2,456	2,458	
2,460	2,462	2,464	2,466	2,468	
2,470	2,472	2,474			

5-3. Operations Flow

The LCD indicates Status, Setup menu, Items to be changed and variables.
“Operations Flow (5-1)” and “MENU structure (5-2)” explains relations between the modes.



5-4. MENU Structure



6. Specifications

General

DC power voltage	DC12V
Power consumption	18W
Operating temperature	0 to +40 (+32 ° F to + 104 ° F)
Storage temperature	-20 to + 60 (-4 ° F to +140 ° F)
Dimensions	152(w) × 207(H) × 103(D)
Mass	1.5kg

RF section

Frequency	2402 ~ 2478 MHz
Center Frequency	2406 ~ 2474 MHz by 2MHz steps
Occupied Bandwidth	8MHz
Rated RF Power	40mW
EIRP	100mW

Connectors

External DC IN	XLR-type	4pin, male 11.3 to 18VDC
DVB-ASI OUT	BNC-type	0.8Vp-p 75

Supplied accessories

Operation Manual (1)

Optional accessories

BP-L60/60A/90/90A Battery Pack
DC-L1, DC-L90 Battery Adaptor
AC-550/550CE, AC-DN1 AC Adaptor

Design and specifications are subject to change without notice.

DLXA-002

Sony Corporation

BSCN B&P Company