

# CLEAR VIEW

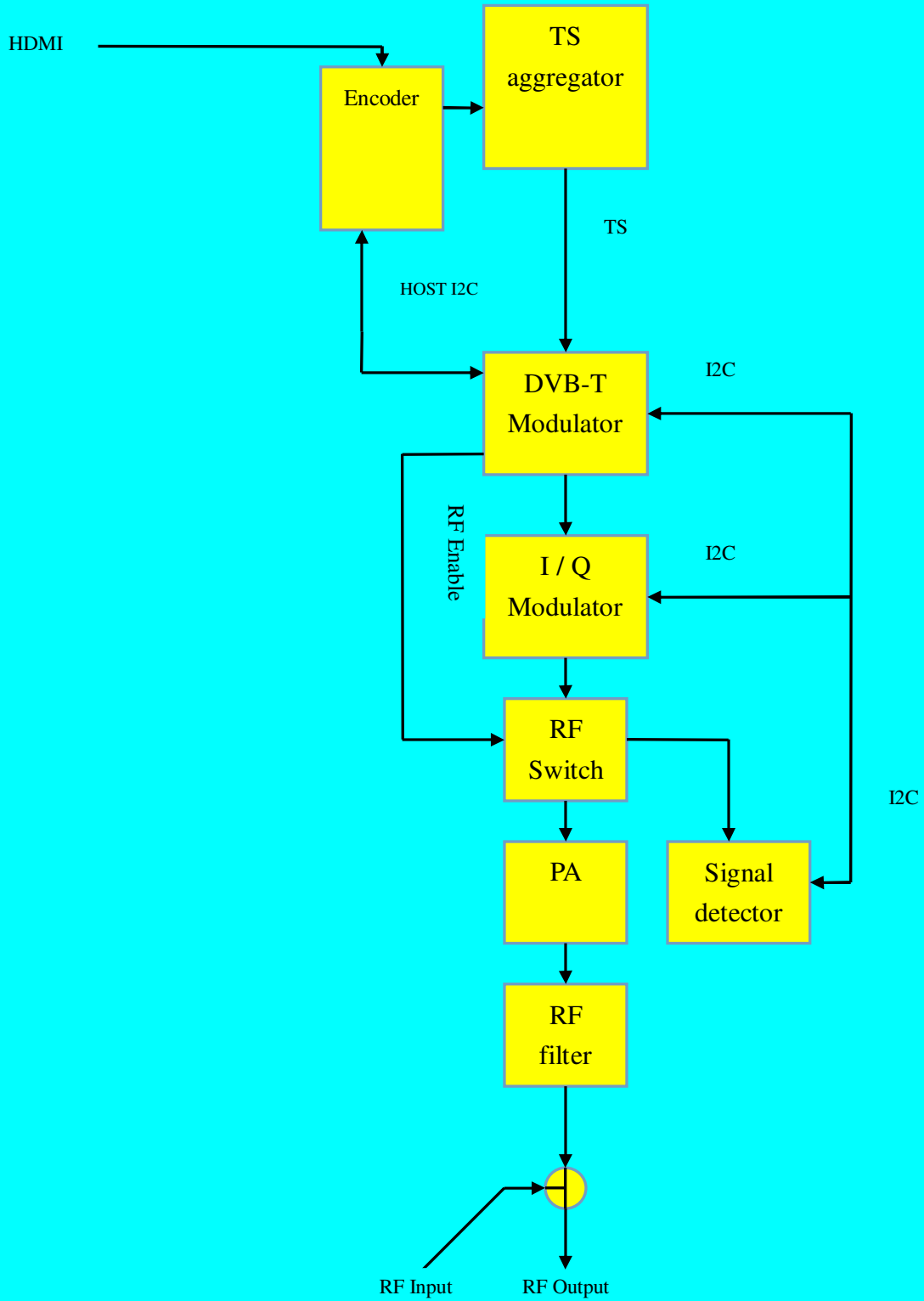
HDMI HD Encoder Modulator Model  
**HD3111**

## USER MANUAL

DVBT 6/7/8M. ISDBT 6M, Full HD 1080p MPEG4



# Principle Chart



## Specifications

### Encoding

<b>Video(HDMI)</b>	
Encoding	MPEG4 H.264/ AVC
Interface	HDMI*1 (Type A receptacle)
Resolution	1920*1080 60p, 1920*1080 50p
Aspect Ratio	4:3 ; 16:9
<b>Audio(HDMI)</b>	
Encoding	MPEG-1 Layer II(AAC-LC/ADPCM)
Interface	HDMI*1
Sample rate	32 ~192KHz

### Modulation

	<b>ISDB-T</b>	<b>DVB-T/6M</b>
Standard	ARIB STD-B31	ETSI EN300744
FFT mode	8K	8K
Bandwidth	6M	6M
Constellation	64QAM	64QAM
Guard interval	1/32	1/32
Code rate	5/6	5/6
Frequency range	177.143~213.143MHz 473.143~887.143MHz C99(User Channel)	177~213MHz 473~803 MHz
	<b>Australia 7M</b>	<b>DVB-T/7 M、8M</b>
Standard	ETSI EN300744	ETSI EN300744
FFT mode	8K	8K
Bandwidth	7M	7M、8M
Constellation	64QAM	64QAM
Guard interval	1/32	1/32
Code rate	5/6	5/6
Frequency range	177.5~226.5MHz 480.5~816.5MHz	177.5~226.5MHz 474~858 MHz

### System

Local interface	LCD+control buttons
Language	English

### Output

Output level	60 ~85dBuV
MER	≥40dB
Connector type	'F' female

### General

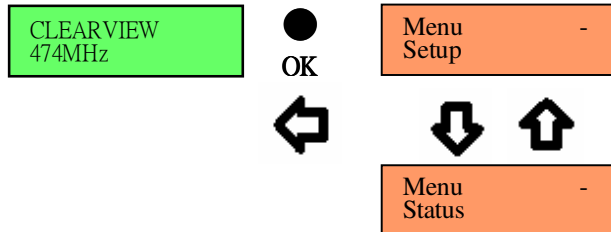
Dimensions	168*118*42
Weight	700g
Power supply	DC 12V
Operation temperature	0 ~ 50°C

# QUICK MENU GUIDE

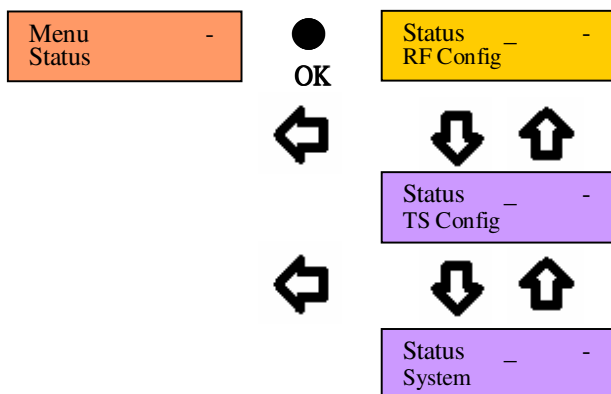
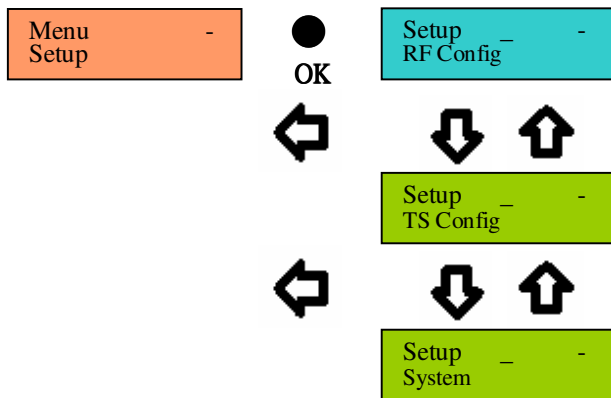
## System Booting =====



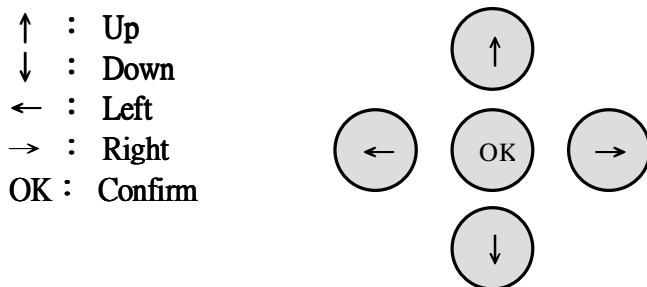
## Main Menu =====



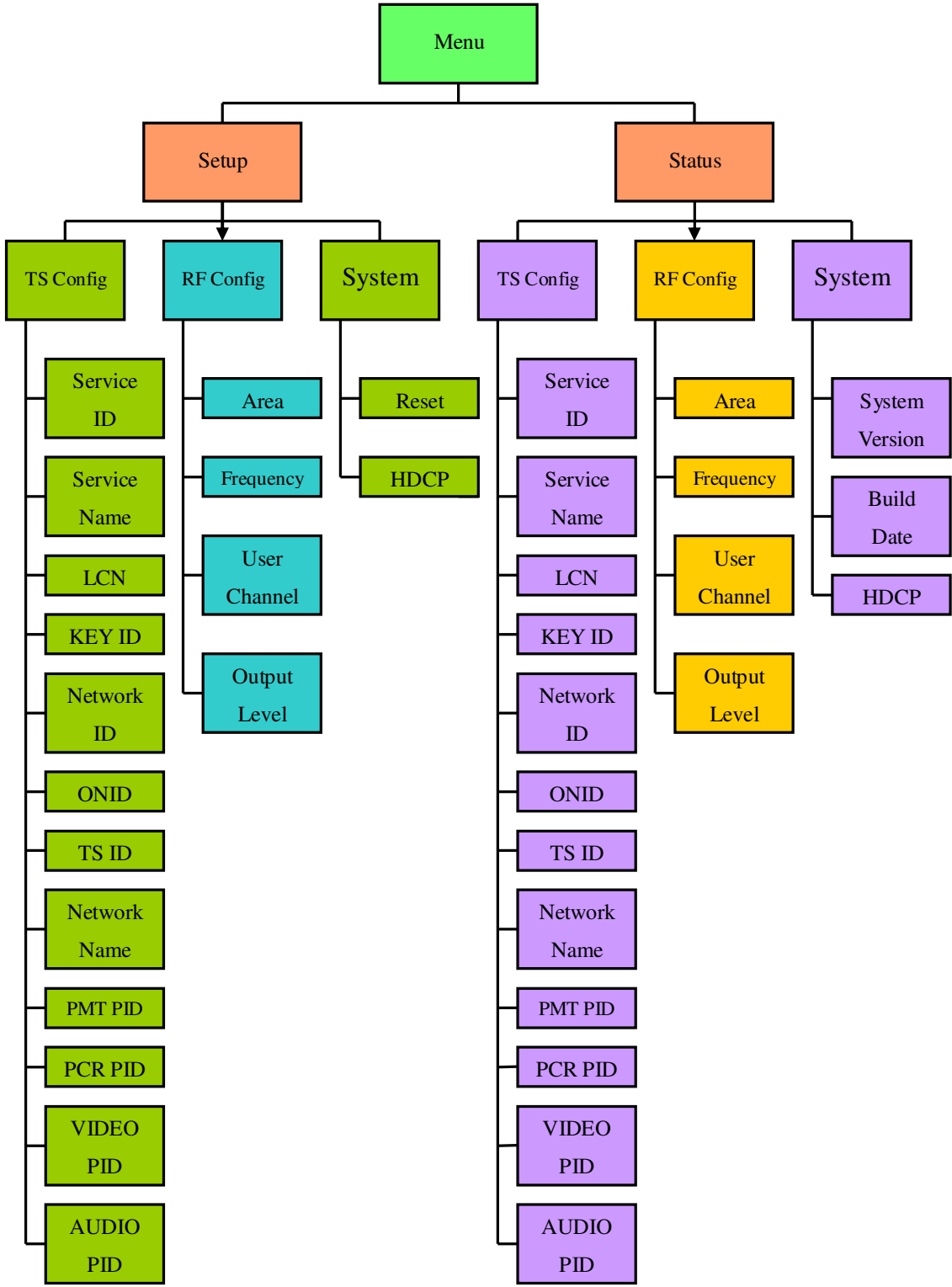
## Submenu =====



## Buttons definition =====



# Flow Chart



# Operation via LCD Display and Buttons

To set up menu or sub menu, please press the OK button to access the adjustment mode. “< >” will on both sides of selected item. Use Up or Down button to select parameter and press the OK button to confirm the setting.

## Setup

### A. Setup RF Config

Setup RF Config -	Following the main Submenu flow charts to enter the ‘Setup RF Config’ mode.
RF Config Area -	Press the OK button to enter the next page for RF Config Area selection.
Area France	Press the OK button to enter the next page for Area selection.
<Area> France	Press the OK button to access the adjustment model. “< >” will be on both sides of “Area”. Press Up or Down button to select the country you require and press the OK button to save.

#### ISDB-T , DVB-T / 6M/7M/8M

**NOTE :** Use the same steps above to adjust the following items.

RF Config Area -	ISDB-T , DVB-T / 6M/7M/8M
RF Config Frequency: -	A06(177.5MHz)~A69(816.5MHz for Australia B07(177.143MHz) ~ B83(887.143MHz)and C99(User Channel) for ISDB-T T07(177MHz) ~ T69(803MHz) for DVB-T / 6M E05(177.5MHz)~E69(858MHz) for DVB-T/7M/8M
RF Config User Chnnel -	177MHz~887MHz
RF Config Output Level -	60 ~ 85dBuV
Saving change & Setting reset n	After finishing all settings of “Setup RF Config”, press the Left button, a confirmation request will be shown on the display. Press Up or Down button to select Yes or No. Select “y” for Yes, all the settings will be stored in the memory. Select “n” for No to cancel.

## B. Setup TS Config

Setup TS Config	-	Following the main Submenu flow charts to enter the 'TS Config' mode.
TS Config Service ID	-	Press the OK button to enter the next page for TS Config Service ID selection.
Service ID 00256		Edit the logical channel number by preference. 00001~65535
TS Config Service Name	-	Press the OK button to enter the next page for TS Config Service Name selection.
Service Name TV-010		Edit the service name by preference. 0-9, A-Z, "-", " " 15 characters.
TS Config LCN	-	Press the OK button to enter the next page for TS Config LCN selection.
LCN 0256		Edit the logical channel number by preference. 0001~1023
TS Config KEY ID	-	Press the OK button to enter the next page for TS Config KEY ID selection.
KEY ID 99		Edit the logical channel number by preference. 1~99
TS Config Network ID	-	Press the OK button to enter the next page for TS Config Network ID selection.
Network ID 13057		Edit the logical channel number by preference. 00001~65535
TS Config ONID	-	Press the OK button to enter the next page for TS Config ONID selection.
ONID 08442		Edit the logical channel number by preference. 00001~65535

<b>TS Config</b> - <b>TS ID</b>	Press the OK button to enter the next page for TS Config TS ID selection.
<b>TS ID</b> 00128	Edit the logical channel number by preference. 00001~65535
<b>TS Config</b> - <b>Network Name</b>	Press the OK button to enter the next page for TS Config Network Name selection.
<b>Network Name</b> DIGITAL-TV	Edit the Network Name by preference. A-Z, 0-9, 7 Characters
<b>TS Config</b> - <b>PMT PID</b>	Press the OK button to enter the next page for TS Config PMT PID selection.
<b>PMT PID</b> 4096	Edit the logical channel number by preference. 0001~8190 * The value of PCR PID, Video PID and Audio PID can't be the same as PMT PID.
<b>TS Config</b> - <b>PCR PID</b>	Press the OK button to enter the next page for TS Config PCR PID selection.
<b>PCR PID</b> 2001	Edit the logical channel number by preference. 0001~8190
<b>TS Config</b> - <b>Video PID</b>	Press the OK button to enter the next page for TS Config Video PID selection.
<b>Video PID</b> 2001	Edit the logical channel number by preference. 0001~8190
<b>TS Config</b> - <b>Audio PID</b>	Press the OK button to enter the next page for TS Config Audio PID selection.
<b>Audio PID</b> 2001	Edit the logical channel number by preference. 0001~8190
<b>Saving change &amp; Setting reset</b> n	After finishing all settings of "Setup System", press the Left button, a confirmation request will be shown on the display. Press Up or Down button to select Yes or No. Select "y" for Yes, all the settings will be stored in the memory. Select "n" for No to cancel.



### C. Setup System

Setup System -	Following the main Submenu flow charts to enter the 'Setup System' mode.
System Reset -	Press the OK button to enter the next page for System Reset selection.
Reset Select Mode ---	Press the OK button to enter the next page for Reset Select Mode
<Reset> Select Mode ---	Press the OK button to access the adjustment mode. "<>" will be on both sides of "Reset". Press Up or Down button to select and press the OK button to save.

**NOTE :** Use the same steps above to adjust the following items

System Reset -	Press the OK button to enter the next page for Reset Select Mode
System Default Reset	Hard Reset, Default Reset
System Setup HDCP -	Following the main Submenu flow charts enter the 'System Setup HDCP'. Press the OK button to enter the Submenu.
Setup HDCP ON	ON, OFF
Saving change & Setting reset n	After finishing all settings of "Setup System", press the Left button, a confirmation request will be shown on the display. Press Up or Down button to select Yes or No. Select "y" for Yes, all the settings will be stored in the memory. Select "n" for No to cancel.

### Status

#### A. Status RF Out

Status RF Config -	Following the main Submenu flow charts to enter the ' Status RF Config' mode, and check the parameters of ' RF Config'.
Area France	Press the OK button to enter the next page for Area .

**NOTE :** You can press the UP or Down button to check the other parameters

Frequency  
E21(474.000MHz)

Press the Down button to enter the next page for Frequency .

User Channel  
474.000

Press the Down button to enter the next page for User Channel.

Output Level  
85dBuv

Press the Down button to enter the next page for Output Level.

B. Status TS Config

Status  
TS Config

Following the main Submenu flow charts to enter the ' Status TS Config' mode, you can check the contents of ' TS Config'.

Service ID  
00256

Press the OK button to enter the next page for Service ID.

Service Name  
TV-101

Press the Down button to enter the next page for Service Name .

LCN  
0256

Press the Down button to enter the next page for LCN .

KEY ID  
99

Press the Down button to enter the next page for KEY ID .

Network ID  
13057

Press the Down button to enter the next page for Network ID .

ONID  
08442

Press the Down button to enter the next page for ONID .

TS ID  
0128

Press the Down button to enter the next page for TS ID .

Network Name  
DIGITAL-TV

Press the Down button to enter the next page for Network Name .

PMT PID  
4096

Press the Down button to enter the next page for PMT PID .

PCR PID  
2001

Press the Down button to enter the next page for PCR PID .

Video ID  
2001

Press the Down button to enter the next page for Video ID .

Audio ID  
2002

Press the Down button to enter the next page for Audio ID .

### C. Status System

Status System -

Following the main Submenu flow charts to enter the ' Status System' mode, you can check the contents of ' System'.

System Version  
[ SN:3D009-9J-01 ]

Press the OK button to enter the next page for System Version .

Build Date  
[ Apr / 26 / 2017 ]

Press the Down button to enter the next page for Build Date .

HDCP  
ON

Press the Down button to enter the next page for HDCP .

### D. USB Firmware Upgrade

- 1) Download software to USB disk and insert the USB disk to the slot of USB Upgrade while HD3111 is powered off.
- 2) Keep pressing the OK button and power on the HD3111. RF Lock LED illuminates.
- 3) Release the OK button. RF Lock LED flickers. Software upgrade is finished when LEDs stop flickering.
- 4) Power off the HD3111 and then power on again New Firmware is installed.