



Service Manual

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1.0 TECHNICAL SPECIFICATION

General

Dimensions (W x H x D):	240 x 178 x 39.7 mm
Bear Unit Weight:	1050g
Power supply:	
Supply voltage	AC 100~240V (adapter) DC 9V-15.0V
Supply Power	9W
Operating Temp & RH	0~ 50degC / 40℃-90% ---4H
Output voltage 1kHz:	2V +/-0.2V
THD 20-20kHz (%):	≤1%
Dynamic range 1kHz	>/=80dB
Signal/Noise ratio:	>/=80dB
Frequency response (20-125kHz):	+/-1dB
Channel Separation 1kHz	>=80dB
Channel Balance 1kHz	< 1dB

Playback disc type:	CD,+/- R/RW,DVD,DVD +/-R/RW
Video Playback Format:	DVD / VCD /MP3,JPEG Image,Divx,AVI
Audio Playback Format:	CD/MP3, DVD,
Disc Diameter	8cm/12cm

Pixel specification

Max. 0 bright-dot & max. 3 dark-dots

Current consumption

DC Supply	DC9V-15.0V
Standby Power off	<0.45W
Battery	
Voltage	4.2V
Capacity	≥2450mAH
Battery playtime	
Charging time	5.5
Standby Power off	±0.5H

Headphone out (headphone output load 2x16 ohm)

Maximum output power:	≥ 1.5mW
Frequency response:	+/-1dB
SNR (A-wght):	≥ 80dB
THD (w/16 ohm loading):	≤ 1%
Left-Right Channel Separation:	≥ 80dB
Left-Right Channel Balance:	< 1dB

Supported disc type

Video Playback Formats:



Audio Playback Formats:



1.0 TECHNICAL SPECIFICATION

Factory Service Mode (FSM)

Procedure to change region code of your DVD Portable

1. Power ON the DVD player and do not insert DISC inside player
2. Setup→Prefer
Press IR in the sequence as
9→6→5→3
The LCD display showed the existing region Code.
3. Press ▲ (navigation up) or ▼ (navigation down) repeatedly to select the number from 0 to 6.
4. Then press OK to confirm your region code.
5. Refer below table for your region code setting

Region Code	Region
1	USA
2	EUROPE
3	ASIA PACIFIC
4	AUSTRALIA, NEW ZEALAND, LATAM
5	RUSSIA, INDIA
6	CHINA

Select "0" setting = Region Free (confidential)

Procedure for SW upgrade

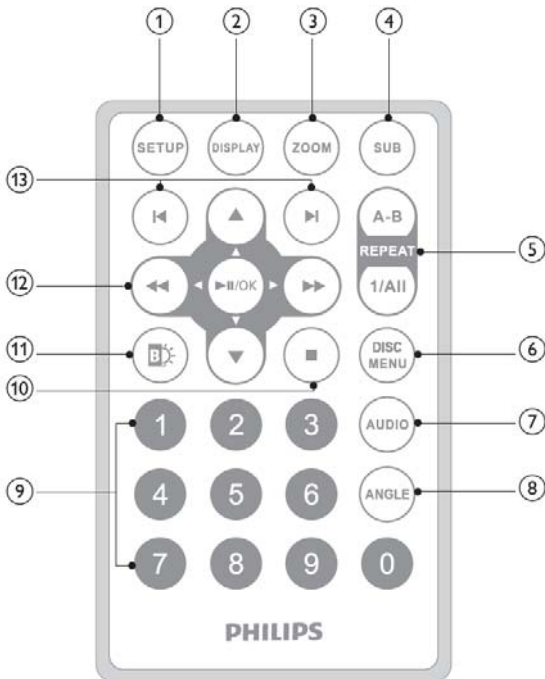
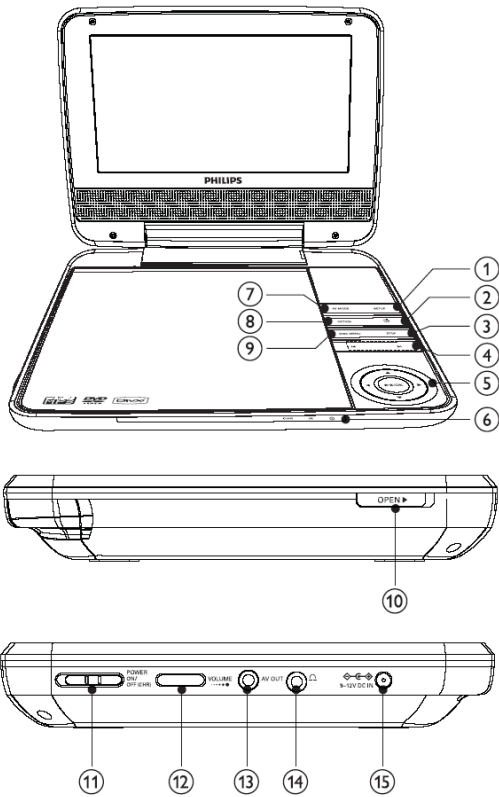
1. Please burn the PHILIPS.BIN file into a empty Disc.
2. Power on PET941D with AC/DC adapter.
3. Insert the upgrade disc and PLAY.
4. The set will detect the upgraded SW.
5. Press "OK" to confirm and proceed.
6. The set will reset once finished upgrade.

Warning: Do not unplug the AC adapter during firmware upgrade to prevent flash corrupt of the set!!

Procedure to check SW version of your DVD Portable

1. Setup→General
Press IR in the sequence as
3→3→0→8
Then a menu will be show XX-YY-MM-DD

3.0 INSTRUCTION FOR USE



- ① **SETUP**
 - Accesses or exits the setup menu.
- ② **BRIGHTNESS**
 - Adjusts brightness of the screen backlight.
- ③ **STOP**
 - Stops disc play.
- ④ **SKIP**
 - Skips to the previous or next title, chapter, or track.
- ⑤ **DIRECTIONAL PAD**
 - Navigates through the menus.
 - Searches backward/forward at different speeds.
- ▶/▶/OK**
 - Confirms an entry or selection.
 - Starts, pauses or resumes disc play.
- ⑥ **IR/CHR/Ⓞ**
 - Remote control sensor/Charging indicator/Power indicator.
- ⑦ **AV MODE**
 - Turns off the front panel display when the player is connected to TV.
- ⑧ **OPTION**
 - Accesses options relating to the current activity or selection.
- ⑨ **DISC MENU**
 - For DVD, accesses or exits disc menu.
 - For VCD, turns on or off PBC (Playback Control) mode.
 - For VCD version 2.0 or SVCD with PBC turned on, returns to the menu.
- ⑩ **OPEN▶**
 - Opens the disc compartment.
- ⑪ **POWER ON/OFF**
 - Turns on/off DVD player.
- ⑫ **-VOL +**
 - Increases or decreases volume.
- ⑬ **HEADPHONE JACK**
 - Headphone jack
- ⑭ **AV OUT**
 - Audio/video output jack
- ⑮ **DC IN**
 - Power supply socket



- ① **SETUP**
 - Accesses or exit the setup menu.
- ② **DISPLAY**
 - Displays play information.
- ③ **ZOOM**
 - Zooms in or out.
- ④ **SUB**
 - Selects DVD subtitle language.
- ⑤ **A-B REPEAT**
 - Marks the section for repeat play.
- REPEAT 1/ALL**
 - Repeats a chapter/track/title.
- ⑥ **DISC MENU**
 - For DVD, accesses or exits disc menu.
 - For VCD, turns on or off PBC (Playback Control) mode.
- ⑦ **AUDIO**
 - For DVD, selects an audio language.
 - For VCD, selects an audio mode.
- ⑧ **ANGLE**
 - Selects a different viewing angle of a DVD.
- ⑨ **0 - 9**
 - Inputs numbers.
- ⑩ **STOP**
 - Stops disc play.
- ⑪ **BRIGHTNESS**
 - Adjusts brightness of the screen backlight.
- ⑫ **DIRECTIONAL PAD**
 - Moves cursor: up/down/left/right.
 - Searches backward or forward at different speeds.
- ▶/▶/OK**
 - Confirms an entry or selection.
 - Starts, pauses or resumes disc play.
- ⑬ **SKIP**
 - Skips to previous/next chapter, track or title.

8.0 SERVICE PARTLIST

Electrical Part List:

CTN	Service 12NC	Service Description	Photo	Pos. No.
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024071	KEY PCBA ASS'Y PET941D		100
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510029729	TFT PCBA ASS'Y PET941D		110
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510030205 996510030205 996510030207 996510030204 996510030206	MAIN PCBA ASS'Y PET941D/05/12 MAIN PCBA ASS'Y PET941D/05/12 MAIN PCBA ASS'Y PET941D-58 MAIN PCBA ASS'Y PET941D/79 MAIN PCBA ASS'Y PET941D/98		120
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510029733 996510029731 996510028832 996510029732 996510029728	PET941D/05DEB PANEL ASSY PHI PET941D/12DEB PANEL ASSY A00 PET941D/58DEB PANEL ASSY PET941D/79DEB PANEL ASSY PHI PET941D/98DEB PANEL ASSY		200
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510007686	DVDDECK DM520 HOP1200X (FORYOU)		210
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024081	BAT LIION 7.4V/2.45AH YOKU		220
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024083	FFC 24P/0.5mm 170mm(3/54/8) +/-OUKE		400

8.0 SERVICE PARTLIST







PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510025559	HINGE LIFT TURN PET941		410
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024074	MTEAL WEIGHTMETAL SECC T=2.0 PET941		420

8.0 SERVICE PARTLIST


Mechanical Part List:

No.	Service 12NC	Service Description	Photo	Pos. No.
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510021994	PLAY KEY1 PET741		300
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510021992	PLAY KEY2 PET741		305
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510021993	PLAY KEY3 PET741		310
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510021989	PLAY KEY4 PET741		315
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510022001	KEY OK PET741		320
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510022006	KEY SELECT PET741		325
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024076	PLASTIC MONITORBACK WHITE PET941D		330

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PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024077	PLASTIC CDDOOR PC PET941D		335
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024072	PLASTIC DVDTOP PET941D		340
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024085	PLASTIC DVDBOTTOM WHITE PET941D		345
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024073	PLASTIC OPEN KEY PET941D WHITE		350
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024068	PLASTIC CDDOORKNOB POM PET941D		355
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024069	PLASTIC POWER KNOB PET941D WHITE		360
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510024082	PLASTIC RLENS PC PET941D		365

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PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510029701	DISPLAY FRAME & SPK PET941D		370
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8.0 SERVICE PARTLIST

Accessories Part List:

CTN	Service 12NC	Service Description	Photo	Pos. No.
PET941D/12 PET941D/58 PET941D/98	996510022078	SW ADP 9V/1A VDE 4.0 BLACK DVE		ADAPT
PET941D/05	996510004261	AC/DC Adapter /05		ADAPT
PET941D/79	996510024146	SW ADP 9V/1A SAA 4.0 BLACK DVE		ADAPT
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510021031	CAR CORD PET741		CARADT
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98	996510022963	REMOTE CONTROL 28KEY		RC
PET941D/05 PET941D/12 PET941D/79	996510004975	AV CABLE		AVCABLE
PET941D/58 PET941D/98	996510029375	AV CORD 3P MALE TO 3.5 YL		AVCABLE
PET941D/05 PET941D/12 PET941D/58 PET941D/79 PET941D/98 PET941D/37	996510041933 996510041948	HOUSIN UL28 14P/1.25MM L262 HOUSIN UL#28 7P/1.25MM L313		CABLE1 CABLE2

9.0 REVISION LIST

Version 1.0

- Initial release PET941D/12

Version 1.1

- Update partlist for PET941D/05/58/79/98

Version 1.2

- Update panel 12NC from 996510024078 to 996510027142

Version 1.3

- Update TFT/Main PCBA, panel and related 12NC

Version 1.4

- Add connect TFT&Main PCBA cable