

BDV-N7100W/N7100WL/N8100W/N9100W/ N9100WL/N9150W/N9150WL/N9900SH

SERVICE MANUAL

Ver. 1.1 2013.05

- BDV-N7100W/N7100WL/N8100W/N9100W/N9100WL/N9150W/
N9150WL/N9900SH are composed of following models.
As service manuals are issued for each component model, please
refer to them.

COMPONENT MODEL NAME

	BDV-N7100W	BDV-N7100WL	BDV-N8100W	BDV-N9100W
Blu-ray disc™/ DVD receiver	HBD-N7100W	HBD-N7100WL	HBD-N8100W	HBD-N9100W
Front speaker	SS-TSB125	SS-TSB124	SS-TSB126	SS-TSB126
Center speaker	SS-CTB124	SS-CTB123	SS-CTB124	SS-CTB124
Surround speaker	SS-TSB129	SS-TSB128	SS-TSB129	SS-TSB131
Subwoofer	SS-WSB125	SS-WSB124	SS-WSB125	SS-WSB125
Surround amplifier	TA-SA300WR	TA-SA400WR	TA-SA300WR	TA-SA300WR
Wireless transceiver	EZW-RT50	EZW-RT50	EZW-RT50	EZW-RT50

	BDV-N9100WL	BDV-N9150W	BDV-N9150WL	BDV-N9900SH
Blu-ray disc™/ DVD receiver	HBD-N9100WL	HBD-N9150W	HBD-N9150WL	HBD-N9900SH
Front speaker	SS-TSB127	SS-TSB126	SS-TSB127	SS-TSB127
Center speaker	SS-CTB123	SS-CTB124	SS-CTB123	SS-CTB123
Surround speaker	SS-TSB130	SS-TSB131	SS-TSB130	SS-TSB130
Subwoofer	SS-WSB124	SS-WSB125	SS-WSB124	SS-WSB124
Surround amplifier	TA-SA400WR	TA-SA300WR	TA-SA400WR	TA-SA400WR
Wireless transceiver	EZW-RT50	EZW-RT20	EZW-RT20	EZW-RT50

Note: As for EZW-RT20/RT50, the part number has been described to this service manual.

US Model
BDV-N7100W/N8100W

Canadian Model

Latin American Model
BDV-N9100W

AEP Model
BDV-N7100W/N7100WL/N8100W/
N9100W/N9100WL

UK Model
BDV-N7100W/N7100WL/N9100W

E Model
BDV-N9100WL

Australian Model

Thai Model
BDV-N9100W/N9100WL

Chinese Model
BDV-N9150W/N9150WL

PX Model
BDV-N7100W

Russian Model
BDV-N8100W/N9100W/N9100WL

Saudi Arabia Model

Middle East Model
BDV-N8100W/N9100W/N9900SH

Mexican Model
BDV-N7100W/N7100WL

Singapore Model
BDV-N7100W/N9100W/N9100WL

Taiwan Model
BDV-N8100W/N9100WL

Indian Model
BDV-N7100W/N9100W

– Refer to the next page for specifications –

BLU-RAY DISC™/DVD HOME THEATRE SYSTEM

9-893-702-02

2013E33-1

© 2013.05

Sony Corporation

Published by Sony Techno Create Corporation

SONY®

SPECIFICATIONS

General

Power requirements

- US, Canadian, Mexican models:
120 V AC, 60 Hz
- E32, PX, Latin American models:
110 V - 240 V AC, 50/60 Hz
- Taiwan model: 120 V AC, 50/60 Hz
- Other models: 220 V - 240 V AC, 50/60 Hz

Power consumption

- On: 80 W (US, Canadian, Mexican, Taiwan models)
- On: 100 W (Other models)
- Standby: 0.3 W (at the power saving mode)

Dimensions (w/h/d) (approx.)

- 480 mm × 79 mm × 212 mm (19 in × 3 1/8 in × 8 3/8 in) incl. projecting parts
- 480 mm × 79 mm × 226 mm (19 in × 3 1/8 in × 9 in) (with the wireless transceiver inserted)

Mass (approx.)

- 3.1 kg (6 lb 14 oz)

Wireless transceiver (EZW-RT20)

Communication system

- Wireless sound Specification version 1.0

Frequency band

- 2.4000 GHz – 2.4835 GHz

Modulation method

- DSSS

Power requirements

- DC 3.3 V, 300 mA

Dimensions (w/h/d) (approx.)

- 30 mm × 9 mm × 60 mm
(1 3/16 in × 3/8 in × 2 3/8 in)

Mass (approx.)

- 10 g (1/2 oz)

Wireless transceiver (EZW-RT50)

Communication system

- Wireless sound Specification version 1.0

Frequency band

- 5.736 GHz – 5.814 GHz

Modulation method

- DSSS

Power requirements

- DC 3.3 V, 300 mA

Dimensions (w/h/d) (approx.)

- 30 mm × 9 mm × 60 mm
(1 3/16 in × 3/8 in × 2

Mass (approx.)

- 10 g (1/2 oz)

Design and specifications are subject to change without notice.

- Standby power consumption: 0.3W
- Over 85% power efficiency of amplifier block is achieved with the full digital amplifier, S-Master.

Unpacking

- Front speakers (2)
- Surround speakers (2)
- Center speaker (1)
- Subwoofer (1)
- Speaker cords (5, red/white/gray/blue/green)
- Speaker-bottom covers (2) (BDV-N8100W), (4) (BDV-N9100W/N9100WL/N9150W/N9150WL/N9900SH)
- Bases (2) (BDV-N8100W), (4) (BDV-N9100W/N9100WL/N9150W/N9150WL/N9900SH)
- Lower parts of the front and surround speakers (4) (BDV-N9100W/N9100WL/N9150W/N9150WL/N9900SH)
- Lower parts of the front speakers (2) (BDV-N8100W)
- Screws (4) (BDV-N7100W/N7100WL), (10) (BDV-N8100W), (16) (BDV-N9100W/N9100WL/N9150W/N9150WL/N9900SH)
- Stands (for surround speakers) (2) (BDV-N8100W)
- Stands (for front and surround speakers) (4) (BDV-N7100W/N7100WL)
- Screw hole covers (2) (BDV-N8100W), (4) (BDV-N7100W/N7100WL)
- Remote control (1)
- R03 (size AAA) batteries (2)
- AC plug adaptors (1) (Mexican model only), (2) (E32, Latin American models only)
- FM wire antenna (aerial) (1)
- Calibration mic (1)
- High Speed HDMI cable (1) (E32, Saudi Arabia, Latin American, Mexican, Singapore, Taiwan, Middle East, Thai, Indian, Chinese models only)
- Surround amplifier (1)
- Wireless transceivers (2)
- Operating Instructions (Except AEP, UK models only)
- Quick Setup Guide
- Speaker Installation Guide
- Reference Guide (AEP, UK models only)
- Antenna isolator (1) (Chinese model only)

Abbreviation

- E32 : 110 - 240V AC area in E model

– Refer to the next page for accessories list –

ACCESSORIES

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
	4-456-334-11	INSTRUCTION MANUAL (ENGLISH) (US, CND) (There is a cover (NJ-TB))			4-456-337-12	INSTRUCTION MANUAL (ENGLISH) (SP) (There is no cover (NJ-TB))	
	4-456-334-12	INSTRUCTION MANUAL (ENGLISH) (US, CND) (There is no cover (NJ-TB))			4-456-337-21	INSTRUCTION MANUAL (FRENCH, PERSIAN) (N8100W: E3/N9100W: E3) (There is a cover (NJ-TB))	
	4-456-334-21	INSTRUCTION MANUAL (FRENCH) (CND) (There is a cover (NJ-TB))			4-456-337-22	INSTRUCTION MANUAL (FRENCH, PERSIAN) (N8100W: E3/N9100W: E3) (There is no cover (NJ-TB))	
	4-456-334-22	INSTRUCTION MANUAL (FRENCH) (CND) (There is no cover (NJ-TB))			4-456-337-31	INSTRUCTION MANUAL (ARABIC) (N8100W: E3, EA/N9100W: E3, EA) (There is a cover (NJ-TB))	
	4-456-334-31	INSTRUCTION MANUAL (SPANISH) (US) (There is a cover (NJ-TB))			4-456-337-32	INSTRUCTION MANUAL (ARABIC) (N8100W: E3, EA/N9100W: E3, EA) (There is no cover (NJ-TB))	
	4-456-334-32	INSTRUCTION MANUAL (SPANISH) (US) (There is no cover (NJ-TB))			4-456-337-41	INSTRUCTION MANUAL (TRADITIONAL CHINESE) (SP, TW) (There is a cover (NJ-TB))	
	4-456-334-41	INSTRUCTION MANUAL (ENGLISH) (PX) (There is a cover (NJ-TB))			4-456-337-42	INSTRUCTION MANUAL (TRADITIONAL CHINESE) (SP, TW) (There is no cover (NJ-TB))	
	4-456-334-42	INSTRUCTION MANUAL (ENGLISH) (PX) (There is no cover (NJ-TB))			4-456-337-51	INSTRUCTION MANUAL (THAI) (TH) (There is a cover (NJ-TB))	
	4-456-334-51	INSTRUCTION MANUAL (SIMPLIFIED CHINESE) (CH)			4-456-337-52	INSTRUCTION MANUAL (THAI) (TH) (There is no cover (NJ-TB))	
	4-456-335-11	INSTRUCTION MANUAL (ENGLISH) (UK, AUS) (There is a cover (NJ-TB))			4-456-337-61	INSTRUCTION MANUAL (SPANISH) (E32, MX2, MX6)	
	4-456-335-12	INSTRUCTION MANUAL (ENGLISH) (UK, AUS) (There is no cover (NJ-TB))			4-456-337-71	INSTRUCTION MANUAL (ENGLISH) (N7100W: E12/N8100W: E3, EA/N9100W: E3, E12, EA) (There is a cover (NJ-TB))	
	4-456-335-21	INSTRUCTION MANUAL (RUSSIAN, UKRAINIAN) (RU)			4-456-337-72	INSTRUCTION MANUAL (ENGLISH) (N7100W: E12/N8100W: E3, EA/N9100W: E3, E12, EA) (There is no cover (NJ-TB))	
	4-456-335-31	INSTRUCTION MANUAL (FRENCH) (AEP)			4-456-337-81	INSTRUCTION MANUAL (ENGLISH, ARABIC) (N9900SH) (There is a cover (NJ-TB))	
	4-456-335-41	INSTRUCTION MANUAL (SPANISH) (AEP)			4-456-337-82	INSTRUCTION MANUAL (ENGLISH, ARABIC) (N9900SH) (There is no cover (NJ-TB))	
	4-456-335-51	INSTRUCTION MANUAL (GERMAN) (AEP)			4-456-337-91	INSTRUCTION MANUAL (FRENCH, PERSIAN) (N9900SH: E3) (There is a cover (NJ-TB))	
	4-456-335-61	INSTRUCTION MANUAL (DUTCH) (AEP)			4-456-337-92	INSTRUCTION MANUAL (FRENCH, PERSIAN) (N9900SH: E3) (There is no cover (NJ-TB))	
	4-456-335-71	INSTRUCTION MANUAL (ITALIAN) (AEP)					
	4-456-335-81	INSTRUCTION MANUAL (POLISH) (AEP)					
	4-456-336-11	INSTRUCTION MANUAL (PORTUGUESE) (AEP)					
	4-456-336-21	INSTRUCTION MANUAL (SWEDISH) (AEP)					
	4-456-336-31	INSTRUCTION MANUAL (DANISH, FINNISH) (AEP)					
	4-456-336-41	INSTRUCTION MANUAL (GREEK) (AEP)					
	4-456-336-51	INSTRUCTION MANUAL (CZECH, HUNGARIAN) (AEP)					
	4-456-336-61	INSTRUCTION MANUAL (TURKISH) (AEP)					
	4-456-336-71	INSTRUCTION MANUAL (SLOVAKIAN) (AEP)					
	4-456-337-11	INSTRUCTION MANUAL (ENGLISH) (SP) (There is a cover (NJ-TB))					

• **Abbreviation**


- AUS : Australian model
- CH : Chinese model
- CND : Canadian model
- E3 : Middle East model
- E12 : Indian model
- E32 : 110 - 240V AC area in E model
- EA : Saudi Arabia model
- MX2 : Mexican model
- MX6 : Latin American (Except Mexican, Brazilian and Argentina) model
- RU : Russian model
- SP : Singapore model
- TH : Thai model
- TW : Taiwan model

Note: COVER (NJ-TB) is deleted from the midway of production. (EXCEPT CH, RU and MX6 models)
COVER (NJ-TB) is not supplied with CH, RU and MX6 models.

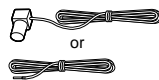
– Continued on next page –

Ref. No.	Part No.	Description	Remark
501	1-491-967-11	REMOTE COMMANDER (RM-ADP092) (Remote control) (N7100W: US, PX/ N8100W: US/N9100W: CND)	
501	1-491-968-11	REMOTE COMMANDER (RM-ADP093) (Remote control) (N7100W: AEP, UK/ N8100W: AEP/N9100W: AEP, UK, AUS)	
501	1-491-969-11	REMOTE COMMANDER (RM-ADP093W) (Remote control) (N7100WL: AEP, UK/N9100WL: AEP, AUS)	
501	1-491-970-11	REMOTE COMMANDER (RM-ADP094) (N7100W: MX2/N9100W: MX6)	
501	1-491-971-11	REMOTE COMMANDER (RM-ADP094W) (N7100WL: MX2/N9100WL: E32)	
501	1-491-972-11	REMOTE COMMANDER (RM-ADP095) (Remote control) (N7100W: E12, SP/N8100W: RU, E3, EA, TW/ N9100W: RU, E3, E12, EA, SP, TH/N9150W)	
501	1-491-973-11	REMOTE COMMANDER (RM-ADP095W) (Remote control) (N9100WL: RU, SP, TW, TH/N9150WL/N9900SH)	
502	1-754-060-21	ANTENNA (FM) (FM wire antenna (aerial)) (EXCEPT US, CND, PX)	
502	1-793-184-41	CONNECTOR (F TYPE ADAPTOR) (FM wire antenna (aerial)) (US, CND, PX)	
503	1-542-903-11	MEASUREMENT MIC (STEREO) (Calibration mic)	
504	1-489-359-11	RF MODULATOR (EZW-RT50 UC) (Wireless transceiver) (1 piece) (AEP, UK)	
504	1-489-360-11	RF MODULATOR (EZW-RT50 UC2) (Wireless transceiver) (1 piece) (US, CND, PX)	
504	1-489-361-11	RF MODULATOR (EZW-RT50 AU) (Wireless transceiver) (1 piece) (E3, E12, E32, EA, MX2, MX6, SP, TH, AUS)	
504	1-489-362-11	RF MODULATOR (EZW-RT50 RU) (Wireless transceiver) (1 piece) (RU)	
504	1-489-363-11	RF MODULATOR (EZW-RT20 CN) (Wireless transceiver) (1 piece) (CH)	
504	1-489-368-11	RF MODULATOR (EZW-RT50 TW) (Wireless transceiver) (1 piece) (TW)	
505	1-846-401-11	CABLE (WITH CONNECTOR) (SPEAKER) (Speaker cords (5, red/white/gray/blue/green)) (N7100W: US, E12, MX2, SP, PX)	
505	1-846-401-31	CABLE (WITH CONNECTOR) (SPEAKER) (Speaker cords (5, red/white/gray/blue/green)) (N7100W: AEP, UK)	
505	1-846-402-11	CABLE (WITH CONNECTOR) (SPEAKER) (Speaker cords (5, red/white/gray/blue/green)) (N8100W: US, RU, E3, EA, TW)	
505	1-846-402-31	CABLE (WITH CONNECTOR) (SPEAKER) (Speaker cords (5, red/white/gray/blue/green)) (N8100W: AEP)	
505	1-846-403-11	CABLE (WITH CONNECTOR) (SPEAKER) (Speaker cords (5, red/white/gray/blue/green)) (N9100W: CND, RU, E3, E12, EA, MX6, SP, TH, AUS/N9150W)	
505	1-846-403-31	CABLE (WITH CONNECTOR) (SPEAKER) (Speaker cords (5, red/white/gray/blue/green)) (N9100W: AEP, UK)	
505	1-846-410-11	CABLE (WITH CONNECTOR) (SPEAKER) (Speaker cords (5, red/white/gray/blue/green)) (N7100WL)	
505	1-846-412-11	CABLE (WITH CONNECTOR) (SPEAKER) (Speaker cords (5, red/white/gray/blue/green)) (N9100WL/N9150WL/N9900SH)	
506	4-446-105-01	COVER (NJ-TB) (See Note) (Speaker-bottom cover) (1 piece) (for Black) (N8100W/N9100W/N9150W)	
506	4-446-105-11	COVER (NJ-TB) (See Note) (Speaker-bottom cover) (1 piece) (for White) (N9100WL/N9150WL/N9900SH)	


501
Remote control (1)




502
FM wire antenna (aerial) (1)



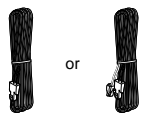
503
Calibration mic (1)




504
Wireless transceivers (2)



505
Speaker cords
(5, red/white/gray/blue/green)



506
Speaker-bottom covers
(2: BDV-N8100W)
(4: BDV-N9100W/N9100WL/N9150W/
N9150WL/N9900SH)



Note: COVER (NJ-TB) is deleted from the midway of production. (EXCEPT CH, RU and MX6 models)
COVER (NJ-TB) is not supplied with CH, RU and MX6 models.

• **Abbreviation**

AUS	: Australian model
CH	: Chinese model
CND	: Canadian model
E3	: Middle East model
E12	: Indian model
E32	: 110 - 240V AC area in E model
EA	: Saudi Arabia model
MX2	: Mexican model
MX6	: Latin American (Except Mexican, Brazilian and Argentina) model
RU	: Russian model
SP	: Singapore model
TH	: Thai model
TW	: Taiwan model

• **Color variations**

BDV-N7100W/N8100W/N9100W/N9150W	: Black
BDV-N7100WL/N9100WL/N9150WL/N9900SH	: White

Ref. No.	Part No.	Description	Remark
507	A-1904-567-A	BASE ASSY (Base) (1 piece) (N8100W/N9100W/N9150W)	
507	A-1904-568-A	BASE ASSY (Base) (1 piece) (N9100WL/N9150WL/N9900SH)	
508	4-162-924-11	FOOT (ST) (1 piece) (N8100W/N9100W/N9100WL/N9900SH)	
509	A-1904-565-A	STAND ASSY (TB) (Lower parts of the speaker) (1 piece) (N8100W/N9100W)	
509	A-1904-566-A	STAND ASSY (TB) (Lower parts of the speaker) (1 piece) (N9100WL/N9900SH)	
510	4-444-970-01	STAND (NJ-MF) (Stand) (1 piece) (N7100W/N8100W)	
510	4-444-970-11	STAND (NJ-MF) (Stand) (1 piece) (N7100WL)	
511	2-893-646-01	FOOT (1 piece) (N7100W/N7100WL/N8100W)	
512	4-416-140-01	COVER, STAND SCREW (Screw hole cover) (1 piece) (N7100W/N8100W)	
512	4-446-125-01	COVER, STAND SCREW (W) (Screw hole cover) (1 piece) (N7100WL)	
513	7-682-576-09	SCREW +B 5X12 (1 piece)	
514	1-835-855-31	CORD WITH CONNECTOR (HDMI CABLE) (High speed HDMI cable) (CH, E3, E12, E32, EA, MX2, MX6, SP, TW, TH)	
515	1-754-848-11	ANTENNA ISOLATOR (CH)	
516	1-785-504-21	ADAPTOR, CONVERSION (AC plug adaptor) (1 piece) (E32, MX2, MX6)	

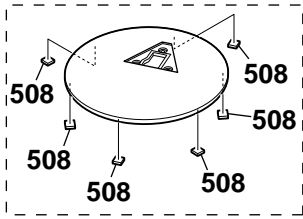
• Abbreviation

- AUS : Australian model
- CH : Chinese model
- CND : Canadian model
- E3 : Middle East model
- E12 : Indian model
- E32 : 110 - 240V AC area in E model
- EA : Saudi Arabia model
- MX2 : Mexican model
- MX6 : Latin American (Except Mexican, Brazilian and Argentina) model
- SP : Singapore model
- TH : Thai model
- TW : Taiwan model

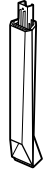
• Color variations

- BDV-N7100W/N8100W/N9100W/N9150W : Black
- BDV-N7100WL/N9100WL/N9150WL/N9900SH : White

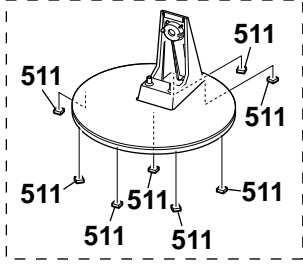
507
Bases
(2: BDV-N8100W)
(4: BDV-N9100W/N9100WL/N9150W/
N9150WL/N9900SH)




509
Lower parts of the front speakers
(2: BDV-N8100W)
Lower parts of the front and surround
speakers
(4: BDV-N9100W/N9100WL/N9150W/
N9150WL/N9900SH)




510
Stands (for surround speakers)
(2: BDV-N8100W)
Stands (for front and surround speakers)
(4: BDV-N7100W/N7100WL)



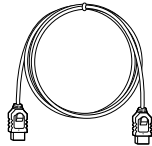
512
Screw hole covers
(2: BDV-N8100W)
(4: BDV-N7100W/N7100WL)




513
Screws
(4: BDV-N7100W/N7100WL)
(10: BDV-N8100W)
(16: BDV-N9100W/N9100WL/N9150W/
N9150WL/N9900SH)



514
High Speed HDMI cable (1)
(CH, E3, E12, E32, EA, MX2, MX6, SP,
TW, TH models only)



515
Antenna isolator (1)
(CH model only)



516
AC plug adaptors
(1: Mexican model only)
(2: E, Latin American models only)

