Brand	Model number [alternate model number]	Release year	End of production	Manual	Predecessor	Description [0]	Weight in grams, including batteries	Colors	Power output and impedance [1]	Headphone jacks	Paired headphones	Frequency response max, Dolby off	Battery voltage (max)	Rechargeable battery	Interference suppression	Model with similar mechanism	Tape transport mechanism	Central gear prone to cracking	Dolby noise reduction	Tape speed	Wow and flutter (DIN)	Wow and flutter WRMS (NAB)	Anti-rolling	Professional label	Bass Expansion / Sound Processing	Quartz	Crystal	Auto reverse	IC various	IC Audio amp	IC Dolby decoder	IC Bass / Sound expansion	IC Headphone amp	IC Servo	IC Microcontroller	IC PLL	Motor (X- assembly)	Special playback head	Recorder	Head playback/rec	Head erase HE901 (rec. only)	Automatic Volume Limiter System	Current draw play fwd mA	Current draw play rev mA	Current draw ff mA	Current draw rew mA	Current draw rec mA	Current draw FM/TV mA	Current draw AM mA
Aiwa	HS-PX10 [J] HS-PX101 [HS-PX101A] HS-PX700	1987		S		Aiwa did not make HX heads at the time of unit release. Data from Peter Vis. Kenwood CP-9RC is the OEM version, without Dolby C or DSL	214	Black, silver, white	2x15mW @ 40 Ω	1		30-12000 N 30-14000 CrO2 30-16000 M	3V	2V - PB-1			Z-1	No	B & C	FWD: 3000; REV: ±45Hz (1.5%) of FWD	<0.45%			No	DSL	No		Yes	MUTE BA3708F	TA8115F (1)	NJM2065M	TK10595M	TA8115F (1)	AN6627S	TC9311F-003		86-536-536-110 MOTOR	No		84-439-610-01 HEAD PH W/PCB											
Aiwa	HS-PC20 [J] HS-PC202	1988				Later models made in Singapore				1			3V	TBD				No	B & C					No		No		Yes																					
Aiwa	HS-PX20 [J]	1988					230			1		30-12000 N 30-14000 CrO2 30-16000 M	3V	2V - PB-3				No	B & C					No	DSL	No		Yes									AM HX												
Aiwa	HS-P202MII	1989		S		Similar electronics to HS-PC202 but different casing. P202MII (Y). Max distortion less than 3%			2x15mW 32 Ω 2x20mW 16 Ω	1		63-8000 (+-3.5dB)	3V			HS-PC202		No	B & C					No	DSL	No		Yes		TA8115F (1)	NJM2063N	Discrete, transistors	TA8115F (1)	AN6612S																
Aiwa	HS-PC202MII HS-PC203	1989		S		Similar electronics to HS-PC202 but different casing. PC202MII (Y), PC203 (U) PC203 as HS-PC202MII, but with AC adapter and PB battery as standard and max distortion less than 2%			2x15mW 32 Ω 2x20mW 16 Ω	1		63-8000 (+-3.5dB)	3V	2V - PB-2		HS-PC202	α - 1	No	B & C		<0.45% FWD <0.48% REV			No	No	No		Yes		TA8115F (1)	NJM2063N		TA8115F (1)	AN6612S			87-045-283-010 MOTOR FM11		87-463-605-010 * for PCB-D 87-046-311-010 PB HEAD, A-352										
Aiwa	HS-PX30 [J] HS-PX303 HS-PX900	1989		S		1 IC for pre and main amp, azimuth adjustable head. PX-30 (D), PX303-PX900 (H,U,E,K). IC BASS from Sony WM-550C.			2x15mW 16 Ω 2x10mW 32 Ω	1		63-8000 (+-3.5dB) N 63-10000 (+-4dB) CR/M	3V	2V - PB-2			α - 2	No	B & C	FWD: 3000; REV: ±45Hz (1.5%) of FWD	<0.45%			No	DSL	No		Yes	Remote comparator: BA3818F **	TA8115F (1)	NJM2065AM	CXA1249M	TA8115F (1)	NJM2613 According to Peter Vis, no service manual info	TC9311F-014			AM HX										
Aiwa	HS-PC202MIII	1990		O		Similar electronics to HS-PC202 but different casing. No gumstick sidecar, AAAx2			2x20mW 16 Ω 2x15mW 32 Ω	1			3V	TBD		HS-PC202		No	B & C					No	No	No		Yes																					
Aiwa	HS-PC204	1990		O		Identical to HS-PC202MIII, but with AC adapter and PB battery as standard			2x20mW 16 Ω 2x15mW 32 Ω	1			3V	2V - PB-2		HS-PC202		No	B & C					No	No	No		Yes																					
Aiwa	HS-PX50 [J] HS-PX505 [HS-PX505A]	1990		S		10 min quick charge, hyper extended Bass head			2x15mW 16 Ω 2x10mW 32 Ω	1		63-8000 (+-5dB) N 63-12500 (+-5dB) CR/M	3V	2V - PB-4			α - 2	No	B & C	FWD: 3000; REV: ±45Hz (1.5%) of FWD	<0.45%			No	DSL + BBE	No		Yes	Remote comparator: BA3818F **	TA8115F (1)	NJM2065AM	ASP5410 BBE HN1C01F DSL Transistor	TA8115F (1)	NJM2613	TC9311F-014		M8-655-410-310 MOTOR ABL-3 for PCB-H	AM HX Bass		87-046-367-010 * for PCB-G										
Aiwa	HS-PX1000	1990		S (Cover page only)		Unique LCD on titanium body. DSL level 1 when set to Rock, 2 Jazz, off Flat and Pops - no manual DSL override. BBE switch, 2 levels. Real Time Spectrum Analyzer with 4 pre-sets: Flat, Rock, Jazz, and Pop. Often referred to as DD9 fighter or Boodokhan killer.			2x12mW 16 Ω 2x10mW 32 Ω	1			3V	2V - PB-5S			OZM - 4	No	B & C					No	DSL + BBE	No		Yes									HX											
Aiwa	HS-JX70 [J,,T] HS-JX707 HS-JX707D [T]	1991	1993	S					2x10mW 16 Ω 2x7mW 32 Ω	1		63-8000 (+-3.5dB) N 63-12500 (+-4.5dB) CR/M	3V	2V - PB-5S			OZM - 4	No	B & C		<0.45%			No	DSL + BBE	No		Yes	Remote comparator: CXA1405AM TV/FM front end: TA8152AFN Radio micro controller: TC9316F-003, TC9316F-004 (D) FM/AM MIX: TA8132AF BILINGUAL (D ONLY): TA8154FN Battery indicator: MM1085XF DC-DC: TA2018FN Voice nav: MSM6374-53405 Prescaler: TB6134F1	TA8115FN	NJM2065AM	XRC5484	TA7688F	TPIC326ADB	TB2003-003FN		M8-0ZS-219-000 MOTOR ABL-7A	Yes, TBD		87-046-367-010 * for PCB-F										
Aiwa	HS-EX3000 [J,,T] HS-JX3000 HS-JX3000D [T]	1992		S	JX70	Gold JX707, presentation box, wallet, HP-D9 headphones. Service manual dated Oct. 1991, attributes not listed identical as HS-JX70 JX3000 = gold JX707, JX3000D = gold JX707D			2x10mW 16 Ω 2x7mW 32 Ω	1			3V	2V - PB-5S		HS-JX70	OZM - 4	No	B & C					No	DSL + BBE	No		Yes	Remote comparator: CXA1405AM TV/FM front end: TA8152AFN Radio micro controller: TC9316F-003, TC9316F-004 (D) FM/AM MIX: TA8132AF BILINGUAL (D ONLY): TA8154FN Battery indicator: MM1085XF DC-DC: TA2018FN Voice nav: MSM6374-53405 Prescaler: TB6134F1	TA8115FN	NJM2065AM	XRC5484	TA7688F	TPIC326ADB	TB2003-003FN		M8-0ZS-219-000 MOTOR ABL-7A	Yes, TBD		87-046-367-010 * for PCB-F										
Aiwa	HS-PX410	1992		S		Service manual dated 7-92, internally more comparable to earlier machines			2x12mW 16 Ω 2x10mW 32 Ω	1		63-8000 (+-4dB) N	3V	2V - PB-4			OZM -1	No	B & C	3000 ±60Hz (2%)	<0.45%			No	DSL	No		Yes		TA8115F (1)	NJM2065AM	HN1C01F (Discrete, transistor)	TA8115F (1)	AN6612S (GOVERNOR)			87-045-309-010 (*)		87-046-381-101 * for PCB-C										
Aiwa	HS-JX909	1993				Gold JX707, new 'aiwa' logo, no presentation box etc.				1			3V	2V - PB-5S		HS-JX70	OZM - 4	No	B & C					No	DSL + BBE	No		Yes																					
Aiwa	HS-JX929 [J,,T]	1994				Update of HS-JX70, AM Stereo, with new 'aiwa' logo. Very little else to find, ThePersonalHiFi and S2Go have this as summary. Head is marketed as 'updated'				1			3V	2V - PB-5S		HS-JX70	OZM - 4	No	B & C					No	DSL + BBE	No		Yes										Yes, TBD										
Kenwood	CP-C7	1989								1			1.5V	1.2V - TBD				No	B & C					No	Y, Bass	No		Yes																				
Kenwood	CP-D7	1990				Sharp JC-50 OEM?				1			1.5V	1.2V - TBD				No	B & C					No	Y, Bass	No		Yes																				
Kenwood	CP-E7	1991		O (hard copy), S		Sound processor: Off (normal), Rock, Fusion, Pops			2x5mW (N+M)	1		20-18000 N+M	1.5V	1.2V - TBD				No	B & C		0.47%			No	Y, SPSM	No		Yes		TA7795FN	NJM2065A	N.A.	TA8157FN	L81673M	IX1850			Alloy										
Kenwood	CP-I7	1992		O		Sound processor: Off (normal), Rock, Fusion, Pops, Outdoor, Indoor. Aiwa rebranded?			2x5mW (N+M)	1		20-18000 N+M	1.5V	1.2V - TBD				No	B & C					No	Y, SPSM	No		Yes																				
Kenwood	CP-K7	1992				sound processor				1			1.5V	1.2V - TBD				No	B & C					No	TBD	No		Yes																				
Kenwood	CP-M7					Bass and Bass Ex switch. Triangular power LED in the W of the brand name. Suggested in S2Go thread Sharp OEM?				1			1.5V	1.2V - TBD				No	B & C					No	TBD	No		Yes																				
Panasonic	RQ-P515	1988							2x5mW	1		20-18000	1.5V	1.2V - TBD				No	B & C					No	XBS (3)	No		Yes																				
Panasonic	RQ-P525	1988		S					2x10mW	1		20-18000	1.5V	1.2V - RP-BP105				No	B & C		0.25%			No	XBS (3)	No		Yes		BA3413FST	NJM2065AMT	LA3550MT	LA4535M	N8C6175	TC9311FT-012														
Panasonic	RQ-P580	1988							2x5mW	1		20-18000	1.5V	TBD				No	B & C					No	XBS (3)	No		Yes																				
Panasonic	RQ-S5	1989				fine gap head				1			1.5V	1.2V - TBD				No	B & C					No	TBD	No		Yes																				
Panasonic	RQ-S5V	1989				TV/FM/AM Radio, LCD on the unit, AR-90 mechanism			2x5mW	1		15-20000	TBD	1.2V - TBD				No	B & C					No	S-XBS (3)	No																						
Panasonic	RQ-S6	1990				LCD on unit			2x5mW	1		15-20000	TBD	1.2V - TBD				No	B & C					No	S-XBS	No		Yes																				
Panasonic	RQ-S55	1990				ASC Normal or mild			2x5mW	1		15-21000	TBD	1.2V - TBD				No	B & C					No	S-XBS (3)	No		Yes									AM FG										
Panasonic	RQ-S65	1990		O					2x6mW	1		15-21000	TBD	1.2V - RP-BP62				No	B & C					No	S-XBS (3)	No		Yes									AM FG										
Panasonic	RQ-S80	1991		O, S		Equalizer: Normal, Heavy, Town, Train, Live Normal, Live Heavy, Live Town, Live Train. 1 IC for Pre, Bass Exp and Headphone AMP. 2 hours recharging make 3.2h playback possible. Do not use 120m tapes.			2x5mW	1		15-21000	1.5V	1.2V - RP-BP62				No	B & C		0.30%			No	S-XBS (Heavy)	No		Yes		LA4589W (1)	NJM2065AMT	LA4589W (1)	LA4589W (1)	AN6628FAP	M34211M4068G		HPX-24NB1AT	AM 12 laminate		RXQ0209 *										
Sharp	JC-C30									1			1.5V	TBD				No	B & C					No	TBD	No		Yes																				
Sharp	JC-C50	1989	1990							1			1.5V	TBD				No	B & C					No	X-Bass	No		Yes																				
Sony	WM-DC2	1984	1989	O, S	WM-DD2	Only Professional player with Dolby B and C, amorphous head on all versions: early versions parabolic, later versions rounded - see D6C 1[st] with line out instead of 2[nd] headphone jack 1[st] playback only unit with quartz lock, no speed control like D6(C) The European release has the paired headphones in the box, the Japanese release comes without in a smaller box Yellow indicators for Tape Type and Dolby NR, no Tape Type Roman numerals	305	Black	2 x 20mW @ 32 Ω	1	MDR-40L	40-15000	3V	No	No	No	DD	MF-WMDC2-24	Yes	B & C		0,13%	0,07%	TBD	No	No	Yes	1-567-260-11	No	Line amp: NJM4558M		CX20068 (2x, L + R)		TA7688F	CX20084		MSM58141RS	X-3310-922-1	AM	No	8-825-576-10 PA263-3602	-	No									
Sony	WM-D6C gen1 [TC-D6C gen1]	1984	2002	O, S	WM-D6	Compared to predecessor: adding Dolby C for all tape types Playback/record head at release parabolic amorphous, type 3602A Serial number ranges: gen 1 - 1-180000 Yellow indicators for Tape Type and Dolby NR, yellow Tape Type Roman numerals, only Sony logo on the leather case Brown, phenolic through-hole boards Available in some markets as the TC-D6C	640	Black	2 x 30mW @ 32 Ω	1	MDR-S1	40-15000	6V	6V	No	D6	MT-D6C-20	No	B & C		0,14%	0,04%	No	Yes	No	Yes	1-527-957-00	No	LED driver: CX10043 Line/rec amp: NJM4558M x 2		CX20068 (2x, L + R)		NJM386M (2x, L + R)	CX20084		MSM58141RS	X-3305-830-1	AM	Yes	8-825-529-00 PA259-3602A	8-825-724-00 EF201-36	No	120			145	148	REC I, II, IV: 142, 146, 150			
Sony	WM-D6C gen2 [TC-D6C gen2]	1985	2002	O, S	WM-D6	Playback/record head rounded amorphous, type 3571J Serial number range: 180001 - 267200	640	Black	2 x 30mW @ 32 Ω	1	MDR-S1	40-15000	6V	6V	No	D6	MT-D6C-20	No	B & C		0,14%	0,04%	No	Yes	No	Yes	1-527-957-00	No	LED driver: CX10043 Line/rec amp: NJM4558M x 2		CX20218 (2x, L + R)		NJM386M	CX20084		MSM58141RS	X-3305-830-1	AM	Yes	1-543-357-11 35711	8-825-724-00 EF201-36	No	120			145	148	REC I, II, IV: 142, 146, 150			
Sony	WM-D6C gen3 [TC-D6C gen3]	1996	2002	O, S	WM-D6	Serial number range: 180001 - 267200 Single sided green PCB, primarily SMD components	640	Black	2 x 30mW @ 32 Ω	1	MDR-S1	40-15000	6V	6V	No	D6	MT-D6C-20	No	B & C		0,14%	0,04%	No	Yes	No	Yes	1-527-957-00	No	LED driver: CX10043 Line/rec amp: NJM4558M x 2		CX20218 (2x, L + R)		NJM386M	CX20084		MSM58141RS	X-3370-805-1	AM	Yes	1-543-357-11 35711	8-825-724-00 EF201-36	No	120			145	148	REC I, II, IV: 142, 146, 150			
Sony	WM-D6C gen4 [TC-D6C gen4]	2001	2002	O, S	WM-D6	Playback/record head no longer amorphous but permalloy, type 3571Z; amorphous no longer printed on housing Serial number range: 267201 and up Single sided green PCB, primarily SMD components	640	Black	2 x 30mW @ 32 Ω	1	MDR-S1	40-15000	6V	6V	No	D6	MT-D6C-20	No	B & C		0,14%	0,04%	No	Yes	No	Yes	1-527-957-00	No	LED driver: CX10043-T4 Line/rec amp: NJM4558M-TE2 x 2		CX20021T6 (2x, L + R)		NJM386M-T1 (same part, different model no.)	CX069A		MSM58141RS	X-3370-805-1	No	Yes	35712	8-825-724-00 EF201-36	No	120			145	148	REC I, II, IV: 142, 146, 150			
Sony	WM-DD9	1989		O, S	New	Unique mechanism: only Walkman ever with motors for each capstan (2x DD motors), idem for gold plated headphone jack Design change: curvier exterior than all DD Walkmans released prior 1[st] with auto reverse, same W&F in both directions due to dual motor setup 1[st] with gumstick battery; internal compartment accepts AA or gumstick, no external holder to use both at the same time unlike DX100 1[st] with Automatic Music Sensor (AMS), 1[st] with MegaBass as double bass expansion circuit, 1[st] with logic control 3 versions sold, bass expansion seems to be differentiator: Japan DBB, Europe DBB and Europe MB Total Harmonic Distortion: 1.0%	330	Dark grey	2 x 5mW at 1% harmonic distortion @ 16 Ω	1	MDR-ES75XG	20-20000	1.5V	1.2V - NC-6WM	No	NEW	MT-WMDD9-42	No	B & C		0,23%	0,13%	Yes	No	MB / DBB	Yes	1-577-709-11	Yes	Battery level: TB2001FN System control: MM-1046XMR	TA7795FN	NJM2065AM	NJM2106M	TA8145FN	CXA1423N		MSM58141MSK	A-3133-395-A A-3133-396-A	AM EX	No	1-543-689-11	-	No	200	200	170	170							
Sony	WM-DX100	1991		O (hard copy), S	New	Curvier exterior design & unique mechanism: disc drive brass rotor driving a mechanism with belt 2[nd] after DD9 with gumstick, AMS, auto reverse, and logic control 1[st] with proprietary headphone with inline remote only for this model, jack converter for audio only 1[st] with external AA battery holder where main unit gumstick and AA can be used together 1[st] with Automatic Volume Limiter System (AVLS) to limit max volume level to protect hearing Bass expansion: either EX DBB or Megabass on housing, printed on PCB is always EX DBB Crystal as external oscillator (clock for) microcontroller input - like WM-700 series - not for quartz driven PLL IC, like DD9, DD22, etc.	235	Black, silver	2 x 5mW (at ?% harmonic dist.) @ 16 Ω	1	MDR-ES62 with RM-10D	20-18000	1.5V	1.2V - NC-6WM	No	NEW	MT-WMDX100-60	No	B & C		0,25% [3]	Not specified	Yes	No	MB / DBB	No	1-579-258-11	Yes	AM, mute detector: BA3708F Micro controller:	TA7795FN	NJM2065AM	NJM2106M	TA8145FN	CXA1423N		MSM58141MSK	1-541-916-11	AM Adv EX	No	1-543-859-11	-	Yes	180	180	180	180							
Sony	WM-S50C	1988		S [J]		Released July 1988 per service manual			2x5mW	1		20-18000	1.5V	1.2V - NC-6WM		WM-150	MT-WM150-01	No	B & C					No	DBB	No		Yes		TA7795FN	NJM2065M	CXA1249M	LA4535M	LAG674F			1-541-589-01 [^AS WM-150]	AM EX	No	1-543-550-11 [^AS WM-150]										
Sony	WM-FS50C	1988		S [J]		As WM-550C, adding FM/AM/TV radio Released July 1988 per service manual			2x5mW	1		20-18000	1.5V	1.2V - NC-6WM		WM-150	MF-WMFS50C-01	No	B & C					No	DBB	No		Yes		IC1: CX10053A/B IC2: CX10054	TA7795FN	NJM2065M	CXA1249M	LA4535M	LAG674F			1-541-589-01 [^AS WM-150]	AM EX	No	1-543-550-11 [^AS WM-150]								45	40	
Sony	WM-701C	1989		S		Thinner successor of the WM-550C, different headphone jack (8 pin)			2x5mW	1		20-18000	1.5V	1.2V - NC-6WM		NEW	MT-WM701C-17	No	B & C					No	DBB	No		Yes		MHC8570EQ01 L	NJM2065AM	CXA1249M	TA8145FN	LB1672M	mPD7508HG626		1-462-264-11 COIL, MOTOR (STATOR)		No	1-543-576-11			210	210	120	120				
Sony	WM-F701C	1989		O		As WM-701C, adding FM/AM/TV radio and LCD, 8-pin connector			2x5mW	1		20-18000	1.5V	1.2V - NC-6WM		WM-701C		No	B & C					No	DBB	No		Yes	Radio IC missing, identical to F702?	MHC8570EQ01 L	NJM2065AM	CXA1249M	TA8145FN	LB1672M	mPD7508HG626				No	1-543-576-11			210	210	120	120				
Sony	WM-703C	1990				Has 701C audio PCB, different model number on the outside only, 8-pin connector			2x5mW	1		20-18000	1.5V	1.2V - NC-6WM		WM-701		No	B & C					No	DBB	No		Yes		MHC8570EQ01 L	NJM2065AM	CXA1249M	TA8145FN	LB1672M	mPD7508HG626				No	1-543-576-11			210	210	120	120				
Sony	WM-EX49C	1990							2x5mW	1		40-15000	1.5V	1.2V - NC-5WM		WM-150	MF-WMA602-01	No	B & C					No	MB	No		Yes		TA7795FN	NJM2165V	CXA1249	TA8145FN	LB1672M			1-541-660-11	Ex	No	1-543-605-11			130	130	90	90				
Sony	WM-B603	1990		S		Same as EX49C Euro model; 1xAA or 1x gumstick internal, not both	185	Black	2x5mW	1	MDR-W10L	40-15000	1.5V	1.2V - NC-5WM		WM-150	MF-WMA602-01	No	B & C	3000 ±45Hz (1.5%), beginning and end tape < 75Hz (2.5%)				No	MB	No		Yes		TA7795FN	NJM2165V	CXA1249	TA8145FN	LB1672M			1-541-660-11	Ex	No	1-543-605-11			130	130	90	90				

V4.4a-pr '23

O - Operating Instructions
S - Service Manual

Notes
0 - 1st or 2nd Walkman related to the series in this overview when generated in DD genealogy context
1 - Unless otherwise stated, listed values at DC operation at 10% harmonic distortion, headphone load impedance 8 -300 Ω
2 - Total current per service manual without cassette, with tape in italic (tape top- tape end-shut off). Auto reverse units: playback forward & reverse values.
3 - WM-DX100 W&F is not been specified by Sony - 0,25% as accurate as possible after S2Go forum members consultation
4 - WM-3 head info from portable Valentin. It is equal to the TPS-L2 head info (model / make on head), but also in article no. in service manual

1.2V - gumstick - TYPE
1.5V - 1x AA
2V - lead acid gumstick - TYPE
3V - 2x AA, except TC-D5 (D cell)
6V - 4x AA, except ZX-7 (D cell)

Dolby B NR printed on units as Dolby NR until WM-DC2 and later

DBB - Dynamic Bass Boost
DDL - Dynamic Optimum Loudness
MB - MegaBass
DBB & MB, always 3 settings: Normal (Off) - Mid - Max

BA Rohm
CXA Sony
LA Sanyo
MSM OKI
NJM New Japanese Radio Corporation
TA Toshiba

AM - Amorphous
Adv Ex - Advanced Extra
Ex - Extra