



**HF** • IEC I/Type I (Normal) Position • Sony's SP-II mechanism maintains a uniform output level even after repeated playing • HF - all round audio reproduction • Available in 46/60/90/120 min.



**UX-Pro** • IEC II/Type II (High) Position • The new Ceramic Composite Tape Guide stabilizes tape transport and reduces modulation noise • The ultimate in Chrome position tape • Available in 50/60/90 min.



**UX** • IEC II/Type II (High) Position • A strengthened binder system helps disperse the ultra-fine, highly uniform magnetic particles to achieve denser packing for extended treble and reduced noise • Available in 60/90/100 min.



**HF-S** • IEC I/Type I (Normal) Position • Crystal gamma particles meet the demand for wide dynamic range, generating high musical output power • Available in 60/90 min.



**Super Metal Master** • Sony's IEC IV/Type IV (Metal) Position • The ultimate in new Sony audio cassette tapes • The Ceramic Composite Shell and new Guide Block help provide precise, crystal clear sound - indistinguishable from digital recording • Available in 60/90 min.



**UX-S** • IEC II/Type II (High) Position • The superfine Uni-axial magnetic particles reduce bias noise to the amazingly low level of 60.5 db • UX-S is an ideal choice for recording digital sources • Available in 60/90/100 min.



**Metal-XR** • IEC IV/Type IV (Metal) Position • Provides 4 times the magnetic energy of normal-position tapes and 3 times that of Chrome - has extremely high MOL • Sony's ultra-rigid one-piece shell is made with ultrasonic welding • Available in 60/90/100 min.

**BATTERIES**

- 2CR 5/B AE** • Lithium Battery 6.0 Volt/1300mAh, 1 piece in Pack
- CR 2025** • Lithium Battery 3.0 Volt/160mAh, 1 piece in Pack
- CR 2032** • Lithium Battery 3.0 Volt/220mAh, 1 piece in Pack
- CR-123A** • Lithium Battery 3.0 Volt/1200mAh, 1 piece in Pack
- CR-2016** • Lithium Battery 3.0 Volt/72mAh, 1 piece in Pack
- CR-P2S** • Lithium Battery 6.0 Volt/1200mAh, 1 piece in Pack
- AM-1NB-2** • Alkaline Battery, 1.5 Volt, D-Size, 2 pieces per Unit
- AM2NB-2** • Alkaline Battery, 1.5 Volt, C-Size, 2 pieces per Unit
- AM3NB-4** • Alkaline Battery, 1.5 Volt, AA-Size, 4 pieces per Unit
- AM3-WMB4** • Alkaline Walkman Battery, 1.5 Volt, AA-Size, 4 pieces per Unit
- AM-4NB-4** • Alkaline Battery, 1.5 Volt, AAA-Size, 4 pieces per Unit
- 6 AM-6NB** • Alkaline Battery, 9 Volt, 1 piece in pack



**SONY**

1994  
General Catalogue



Audio

- Mini Disc
- CD Radio
- Cassettes
- Radio Cassettes
- Walkman
- DAT Walkman
- Scoutman
- Microphones
- Mini Cassettes
- Tape Recorders
- Discman
- Headphones
- Active Speakers
- Radio
- Telephones
- CD Players
- Cassette Decks
- Timers
- Receivers
- DAT Recorders
- Amplifiers
- Tunables
- Car Audio
- Audio Tapes
- Batteries



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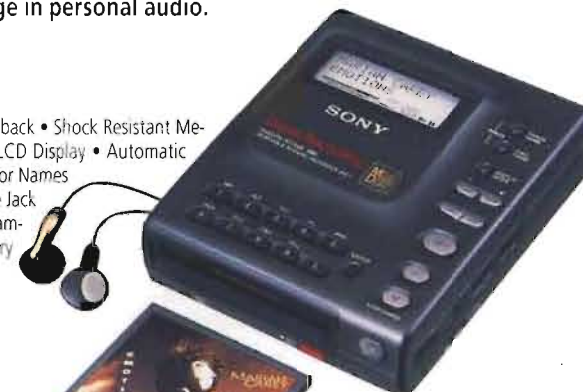
BATTERIES

48

MINI DISC

Light and small enough to fit into your breast pocket, the recordable MiniDisc (or 'MD') is the beginning of a new age in audio media. MD brings you the convenient random access function, high quality sound and reliability of CD plus the compactness and recordability of an audio cassette tape. Two types of MD are available: recordable MDs (a recording and playback disc) and commercially (playback only) pre-recorded music MDs. Listeners have the choice of creating their own original music library or purchasing pre-recorded MDs. The digital medium that does it all is the beginning of a new age in personal audio.

**MZ-1** • Recordable • Recording and playback • Shock Resistant Memory • 10 Direct Choice Buttons • Lighted LCD Display • Automatic numbering • Date Function • Title Function for Names of Discs and Tracks • Headphone/Microphone Jack • Optical Digital line in/out • Weight: 690 grammes (including battery) • Rechargeable Battery Pack • Includes Recordable Disc (MDW-60)

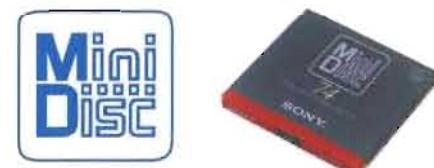


**MZ-2P** • Playback only • Shock Resistant Memory • Shuttle Ring (Cue/Review) • Repeat, Shuffle Play, Programming • Bass Boost • Lighted LCD Display • Headphone Jack • Optical Digital line in/out • Weight: 680 grammes (including battery) • Rechargeable Battery Pack

**MDX-U1RDS** • SSIR-A D1 Tuner with RDS • Best Tuning Memory, 40 Presets • CD Control, Custom File • 1 Bit D/A Converter • 8fs Digital Filter • Shock Resistant Memory • Pre-out x 2 • 2 Colour Illumination • Anti-Theft Detachable Front Panel • Remote Control



**MDS-101** • Stand Alone MiniDisc Home Deck • Shock Resistant Memory • 25 songs Music Calendar • Programmable • Repeat & Shuffle Play • Memory start • Conveniently arranged LCD Display • Accurate Peak Level meters • Automatic Numbering • TOC Edit • Date Function • Title Function for names of Discs and Tracks • Sample Frequency 44.1 kHz • Frequency Range 5 Hz-20kHz • Micro Phone Jack • Head Phone Jack • Optical Digital In/Out • Remote Control • Front Width 225mm



**MDW74/MDW60** • As with the Compact Disc, the Minidisc uses Digital Technology to achieve Sound Quality • Can be re-recorded more than one million times without wear or loss of Sound Quality • Due to Quick Random Access the number is found immediately • Solid housing protects the actual Disc



**CDP-X707ES**

Digital Sound Prestige • Advanced High Density Linear Converter System • New Stable Lock Mechanism • Sapphire Bearing / BSL Motor • FET Drive Amplifier



**CDP-X505ES**

Advanced High-Density Linear Converter System • New Stable Lock Mechanism • Sapphire Bearing / BSL Motor • Fine Drive



**CDP-X303ES**

Advanced High-Density Linear Converter System • New Stable Lock Mechanism • High Precision Digital Servo • Fine Drive



**CDP-X202ES**

Advanced High-Density Linear Converter System • Clamped Roller Mechanism • Edit Navigation Custom Edit / Custom File • Fine Drive

**CDP-911**

Advanced Pulse D/A Converter • Clamped Roller mechanism • Edit Navigation • 3 Mode Music Scan • Headphone Jack



**CDP-511**

Hybrid Pulse D/A Converter System • High Precision Digital Servo • Custom Edit • 20 Direct Select Keys on the Front Panel • 3 Mode Music Scan • Headphone Jack



**CDP-311**

Hybrid Pulse D/A Converter System • High Precision Digital Servo • 10 Direct Select Keys on the Front Panel • 3 Mode Music Scan • Headphone Jack



**CDP-211**

Hybrid Pulse D/A Converter System • High Precision Digital Servo • Single Cassette Deck • 3 Mode Music Scan • Headphone Jack



**CDP-C535** • Hybrid Pulse D/A Converter System • High Precision Digital Servo • 3 Mode Music Scan • 5-Disc + 10-Track Direct select Keys • EX-Change • Custom Edit / Custom Filem • 5 Mode DSP



**CDP-C335** • Hybrid Pulse D/A Converter System • High Precision Digital Servo • 3 Mode Music Scan • 5-disc + 10-Track Direct Select Keys • EX-Change • Custom Edit



**CDP-D7** • Hybrid Pulse D/A Converter System • 7-mode DSP • High Precision Digital Servo • Custom Edit • 20 Direct Select Keys on the Front Panel



	CDP-X707ES	CDP-X505ES	CDP-X303ES	CDP-X202ES	CDP-911	CDP-D7	CDP-511	CDP-211	CDP-C535	CDP-C335
Advanced High-Density Linear Converter System	x	x	x	x	x	x	x	x	x	x
Advanced Pulse D/A Converter										
Hybrid Pulse D/A Converter System	x	x	x	x	x	x	x	x	x	x
New Stable Lock Mechanism										
Clamped Roller Mechanism										
Sapphire bearing/BSL motor	x	x	x	x	x	x	x	x	x	x
Fine drive	x	x	x	x	x	x	x	x	x	x
FET Drive Line Amplifier										
High Precision Digital Servo	x	x	x	x	x	x	x	x	x	x
Repeat mode by RM	8-way	8-way	8-way	8-way	8-way	7-way	6-way	4-way	7-way	7-way
3 MODE Music Scan			By RM	By RM	By RM	x	x	x	x	x
Auto space / Auto cue			By RM	By RM	x/x	x/x	x/x	x/x	x	x
Custom Edit	x	x	x	x	x	x	x	x	x	x
DSP										5-mode
Edit Navigation	x	x	x	x	x					
Custom File	x	x	x	x	x					
Variable Manual Fader	by RM	by RM	by RM	by RM	x	x	x	x	x	x
20-square Music Calendar display	x	x	x	x	x	x	x	x	x	x
20-key direct select RM	w/Vol	w/Vol	w/Vol	w/Vol	x	x	x	x	x	5 disc w/Vol
10-key direct select RM										
Direct select on Front panel	x	x	x	x	20-key	20-key	20-key	10-key	5 disc	5 disc
Dimmer control on Display	x	x	x	x	x	x	x	x	5 disc/10 key	5 disc/10 key
3-way display mode	x	x	x	x	x	x	x	x	x	x
G-base unit	x	x	x	x	x	x	x	x	x	x
G-disc tray	x	x	x	x	x	x	x	x	x	x
FB/Copper chassis construction	x	x	x	x	x	x	x	x	x	x
FB chassis construction	x	x	x	x	x	x	x	x	x	x
Fineceramic insulators	x	x	x	x	x	x	x	x	x	x
Zinc insulators										
Optical/coaxial digital output	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x	x/x
Variable line out	x	x	x	x	x	x	x	x	x	x
Gold-plated line out	x	x	x	x	x	x	x	x	x	x
Balanced out	x	x	x	x	x	x	x	x	x	x
Side wood panels	x	x	x	x	x	x	x	x	x	x
Aluminum front panel	x	x	x	x	x	x	x	x	x	x
Gold/Black	x/x	x/x	-/x	-/x	-/x	-/x	-/x	-/x	-/x	-/x
Aluminum Double-Wall Top Plate	x	x	x	x	x	x	x	x	x	x
Double-Wall Top Plate										
Linear Motor	x	x	x	x	x	x	x	x	x	x
Twin Core power Transform-er	x	x	x	x	x	x	x	x	x	x
Headphone jack & Volume	x	x	x	x	x	x	x	x	x	x
RM : Remote Control / w/Vol : with Volume control										



**TC-K808ES**

Direct Drive • Closed Loop Dual Capstan • Free Action Cassette Stabilizer • Ceramic Holder • Dolby S • Rec Eq Calibration • Direct In



**TC-K711S**

3 Head & 3 Motor • Closed Loop Dual Capstan • Cassette Stabilizer • Ceramic Holder • Dolby S • Rec Calibration • AMS



**TC-K611S**

3 Head & 3 Motor • Cassette Stabilizer • Ceramic Holder • Dolby S • Rec Calibration • Multi AMS • Bias Calibration



**TC-K511S**

3 Head • Cassette Stabilizer • Dolby S • Dolby HX Pro • Rec Calibration • Mult AMS • Bias Calibration • Auto Play

**TC-K411**

3 Head • Cassette Stabilizer • Dolby HX Pro • Rec Calibration • Multi AMS • Bias Calibration • Auto Play



**TC-K311**

2 Head Midship • Dolby HX Pro • Auto Calibration • Multi AMS • Auto Play • Rec Mute • Remote Control Capable



**TC-RX311**

2 Head Midship • Auto Reverse • Dolby HX Pro • Auto Calibration • Multi AMS • Auto Play • Rec Mute • Remote Control Capable



**TC-FX211**

2 Head • Dolby B/C • Bias Fine • LED Meter • MPX Filter





**TC-WR835S**

- Double Quick Reverse • 3 Motor x 2 • Cassette Stabilizer • Power Loading • Dolby S • Blank Skip • Auto Pause

**TC-WR735S**

- Double Auto Reverse • Dolby S • Dual Dolby HX Pro • Dual Auto Calibration • A + B Rec SW



**TC-WR635S**

- Double Auto Reverse • Dolby S • Dolby HX Pro • Auto Calibration • AMS • Multi AMS • Remote Control Capable

**TC-WR535**

- Double Auto Reverse • Dolby HX Pro • Auto Calibration • AMS • Multi AMS • Remote Control Capable • Rec Mute



**TC-W435**

- Double Deck • Double HX Pro • Dolby B/C • Remote Control Capable • Rec Mute • Twin Electric Counter

**TC-W290**

- Double Deck • Dolby B/C • MPX Filter • Remote Control Capable • Rec Mute • Dubbing High Speed • Relay Play



	TC-K808ES	TC-K711S	TC-K611S	TC-K511S	TC-K411	TC-K311	TC-FX211	TC-RX311	TC-WR835S	TC-WR735S	TC-WR635S	TC-WR535S	TC-W435	TC-W290
Deck Type	3H Mid ship	3H Mid ship	3H Mid ship	3H Mid ship	2H Mid ship	2H Mid ship	2H	2H AR Mid	WRR	WRR	WR	WR	W 1-way	W 1-way
Reverse	x	x	x	x					Dual x	Auto	Auto	Auto		
Direct Drive	x													
Closed Loop Dual Capstan	x	x												
Power Loading	x	x	x	x					x	x				
Cassette Stabilizer														
Free Action														
Ceramic Holder	x	x	x	x										
Head	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD
FL	FL	FL	FL	FL	FL	FL	LED	FL	FL	FL	FL	FL	FL	FL
Meiter	Linear	Linear	Linear	Linear	Linear	Linear	Drum	Electric	Twin L.C.	Twin L.C.	Twin L.C.	Twin E.C.	Twin E.C.	Drum
Counter	Linear	Linear	Linear	Linear	Linear	Linear	Drum	Electric	Twin L.C.	Twin L.C.	Twin L.C.	Twin E.C.	Twin E.C.	Drum
MPX Filter	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Dolby B/C NR	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Dolby S NR	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Dolby HX Pro	x	x	x	x	x	x	x	x	x	Dual x	x	x	x	x
Super Bias	160 K	160 K	160 K	160 K	160 K	160 K								
Auto Calibration														
Bias Fine														
Bias Calibration	x	x	x	x	x	x								
Rec Calibration	x	x	x	x	x	x								
Rec Eq Calibration	x													
AMS	x	x	x	x	x	x								
Multi AMS														
Blank Skip														
Auto Pause														
A + B Rec SW														
Dubbing High Speed														
Dubbing Normal Speed														
Relay Play														
Auto Play														
Pitch Control Volume														
Rec Mute	x	x	x	x	x	x								
Aluminum Front Panel	x	x	x	x	x	x								
Direct In	x													
Auto Monitor SW (RH)														
Indicator	x	x	x	x	x	x								
Timer Stand by	x	x	x	x	x	x								
Head Phone Volume	x	x	x	x	x	x								
Gold Plated Pin Jack	x													
Remote Control Capable	x	x	x	x	x	x								
Side wood														

**DTC-77ES** • 4-Head • 1 Bit D/A Converter • 4 Direct Drive Motors • Long Play Mode • ID Functions with Rehearsal Function • Program Number • Automatic Renumber Selection Tagging • Date Function • High Speed Search • Optical/Coaxial in-/output • Digital Fade IN/OUT • 10 Key Direct Access • AMS • Cue & Review • Music Scan • End Search • RMS • 3-Way Repeat • Time Search • Counter Memory • Compartment Lighting • 3-mode Input Select • Timer REC/PLAY • Gold and Black version • Side Wood Panel • Remote Control



**DTC-690** • 1 Bit D/A Converter • Advanced Pulse D/A Converter • 2 Direct Drive Motors • New Quick Loading Mechanism • Long Play Mode • ID Functions with Rehearsal Function • Program Number • Automatic Renumber Selection tagging • High Speed Search • Optical/Coaxial in-/output • AMS • Cue & Review • Music Scan • End Search • RMS • 2-Way Repeat • 3-Mode Input Select • Timer REC/PLAY • Remote Control



**DTC-P7** • 1-Bit Pulse D/A Converter • Serial Copy Management System • Long Play (4 hours of recording from an analogue source) • AMS and Cue/Review • Repeat • Slip Play and Music Scan • Programmable • Automatic Rewind • Timer Play/REC • Fluorescent Display with Program Time, absolute Time, remaining • Time and date functions • Auto Function • CD Synchro Start • Optical Digital Output • Coaxial and Optical Digital Input • System Synchro Power on/off (in combination with MHC mini-set) • Remote Control • Front Width 225mm



**DAT-120** • Half Standard Cassette Size • Higher Fidelity than CD • AT 48Hz sampling frequency, DAT attains higher musical resolution than a CD

**DTC-59ES** • 1 Bit D/A Converter • Advanced Pulse D/A Converter • 2 Direct Drive Motors • New Quick Loading Mechanism • Long Play Mode • ID Functions with Rehearsal Function • Program Number • Automatic Renumber Selection tagging • Date Function • High Speed Search • Optical/Coaxial in-/output • 10 Key Direct Access • AMS • Cue & Review • Music Scan • End Search • RMS • 2-Way Repeat • Compartment Lighting • 3-Mode Input Select • Timer REC/PLAY • Side Wood Panel • Remote Control



**TA-E80ES** • Pre Amplifier • G-Chassis • 7 inputs • Speaker Selector • Balance in-/output • REC OUT Selector • 2 Pre outputs • Control S(SIRCS OUT)



**TA-N80ES** • Power Amplifier • 2 x 200 Watts (8 Ohm) • 540 Watts (Mono 8 Ohm) • G-Chassis • S.T.D. Circuit • 2 inputs • Speaker Selector • Balance input



**TA-E2000ESD** • Pre Amplifier • DSP (Digital Signal Processor) • Reverberation, Parametric Equalizer, Dynamics (Compressor, Expander) • Dolby Pro Logic • 10 Presets surround mode • 12 Terminals (5 Audio, 7 Video, 3 Digital, 3 S-Video) • REC OUT Selector • Matrix indication • Programmable Remote Control



**TA-N55ES** • Power Amplifier • 2 x 120 Watts (8 Ohm) • 350 Watts (Mono 8 Ohm) • G-Chassis • S.T.D. Circuit • 2 inputs • Speaker Selector





**TA-F707ES** • 2 x 135 Watts (8 Ohm) • G-Chassis • Bass and Treble Controls • S.T.D. Circuit • 6 inputs • 2-set Speaker Selector • Source Direct • REC OUT Selector • Subsonic Filter • Loudness Switch • Motorized Function Selector • Vibration Proof Platform • Direct Link System • Power MOS-FET • Resin-cast Power Transformer • Wooden Side Panels • System Remote Control



**TA-F690ES** • 2 x 105 Watts (8 Ohm) • G-Chassis • Bass and Treble Controls • S.T.D. Circuit • 6 inputs • 2-set Speaker Selector • Source Direct • REC OUT Selector • Subsonic Filter • Loudness Switch • Motorized Function Selector • Vibration Proof Platform • Direct Link System • Power MOS-FET • System Remote Control



**TA-F511** • 2 x 95 Watts (8 Ohm) • Bass and treble Controls • S.T.D. Circuit • 6 inputs • 2-set Speaker Selector • Source Direct • REC OUT Selector • Subsonic Filter • Loudness Switch



**TA-F535R** • 2 x 90 Watts (8 Ohm) • Bass and Treble Controls • S.T.D. Circuit • 6 inputs • Speaker Selector • Source Direct • Motorized Function Selector • Subsonic Filter • System Remote Control



**TA-F435R** • 2 x 80 Watts (8 Ohm) • Bass and Treble Controls • S.T.D. Circuit • 6 Inputs • Speaker Selector • Source Direct • Motorized Function Selector • System Remote Control



**TA-F235R** • 2 x 40 Watts (8 Ohm) • 5 Audio Inputs • Bass and Treble Controls • System Remote Control



**TA-AV501R** • AV Amplifier • Front: 2 x 100 Watts (8 Ohm) • Rear: 2 x 15 Watts (8 Ohm) • Line ins: Record Player, CD Player, DAT, Tape, Tuner 4 x Video • 2 Video Outputs • Dolby Surround • Delay • Muting • 2 pairs of Speaker Outputs + 2 for Surround Speakers



## TUNERS

**DAR-1000ES** • Digital Satellite Tuner • 2 Inputs for Satellite and Cable • Multi-Block Memory • Advanced Pulse D/A Converter • Digital Output (Optical/Coaxial) • Radial Power Supply Circuit • Direct Tuning • Direct Program Type Selection • Simultaneous Display of Station Name and Program Type • Music and Speech Volume Ratio Control • 3 Programs Timer with Check • English and German Display • Wooden Side Panel • Variable Headphone Out • LNC Power Supply • Station Calendar • High Rigid Chassis • Remote Control



**ST-S707ES AE** • FM/MW/LW • 40 Preset • Antenna A/B • Station Name Display • Multi Process Memory • Digital Signal Meter • Digital Dial Tuning • Antenna Att • IF Band • Muting • Hi-Blend • Program Memory • RM Sensor • Gold and Black Version • Side Wood Panel



FM CCIR  
OIRT

**ST-S590ES EE** • FM (OIRT/CCIR) MW/LW • RDS.EON • 30 preset • Antenna A/B • Station Name Display • Digital Signal Meter • Digital Dial Tuning • Antenna Att • IF Band • Auto Preset Memory • Hi-Blend • SIRCS IN/OUT



**ST-S505ES AE** • FM/ MW/LW • RDS.EON • 30 preset • Auto Sorting Routine • Antenna A/B • Station Name Display • Multi Process Memory • Digital Signal Meter • Digital Dial Tuning • Antenna Att • IF Band • Muting • Direct Access Tuning • RM Sensor



**ST-S311 AE** • FM/ MW/LW • RDS.EON • 30 preset • Antenna A/B • Station Name Display • Digital Signal Meter • Digital Dial Tuning • Antenna Att • IF Band • Muting • Direct Access Tuning • RM Sensor



FM CCIR  
OIRT

**ST-S211 EE/AE** • FM (OIRT/CCIR) on EE/ MW/LW • 40 preset • Station Name Display • Multi-Process Memory • 10 Signal Meter • Digital Dial Tuning • Muting • Auto Preset Memory • RM Sensor



## RECEIVERS

**STR-GX311 AE** • 2 x 60 W • 5 Audio Inputs • Bass and Treble Controls • Loudness Control • Tape Monitor Switch • Direct Link • 2-set Speaker Connection • RDS. EON • FM/AM 30 Random Preset • System Remote Control



**STR-GX211 AE** • 2 x 45 W • 5 Audio Inputs • Bass and Treble Controls • Loudness Control • Tape Monitor Switch • 2-set Speaker Connection • FM/AM 30 Random Preset



## TURNTABLES



**PS-LX431** • DC-Servo Motor • Belt Drive • Full Automatic Operation



**PS-LX150** • DC-Servo-Motor • Belt Drive • Semi-automatic operation with automatic return

## EQUALIZERS

**SEQ-711** • 2 x 7 Band Electric Equalizer • Spectrum Analyzer • 10 Programmed and 5 variable setting • Equalizing Recording • 3 Delay and Surround setting



**SEQ-411** • 2 x 7 Band Equalizer • Adjustable Frequencies • Left/Right Channel separated



## SPEAKERS



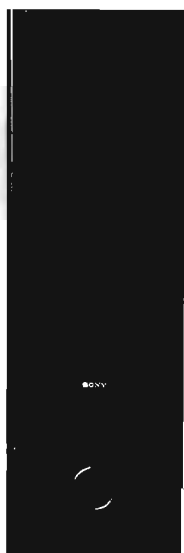
**SS-F7ES** • 4 Way ES Speaker System • 160W • 2 x 20 cm Woofer • 10 cm Midrange • 2.5cm Tweeter • Floor Standing



**SS-F5ES** • 3 Way ES Speaker System • 140 W • 17.5cm Woofer • 17.5cm Midrange • 2.5cm Tweeter • Floor Standing



**SS-F2** • 2 Way Speaker System • 100 W • 16cm Woofer • 2.5cm Biocellulose • Floor Standing • Bass Reflex Type



**SS-E455** • 3 Way Speaker System • 200 W • 20cm Woofer • 8cm Midrange • 2cm Tweeter • Floor Standing • Bass Reflex Type



**SS-E315** • 3 Way Speaker • 150 W • 18cm Woofer • 6.5cm Midrange • 5 cm Tweeter • Floor Standing • Bass Reflex Type



**SS-E215** • 3 Way Speaker System • 150 W • 16cm Woofer • 6.5cm Tweeter • Floor Standing • Bass Reflex Type



**SS-A3** • 2 Way Speaker System • 150 W • 20cm Woofer • 2.5cm Biocellulose • Time Alignment System • Real Wood Cabinet • Bass Reflex Type

## MIDI STEREO SYSTEMS

**LBT-D709 EE/AE** • Amplifier: Pre/power Amplifier • 2 x 100 Watts, 3 Video Sound Input, CD-direct, Microphone Input, DBS Display, Dolby Pro Logic, DSP • Equalizer: 10 Pre-Programmed and 5 Variable Presets, Parametric Equalizer with Spectrum Analyzer, 3-Step Digital Surround Control, Variable Bass Synthesiser • **Cassette Deck:** Dolby HX-Pro, Recording Level Control, Tape Counter • **Speaker SS-A709:** 3 way 20cm Woofer/8cm Mid/Dome Tweeter

**FM** CCIR OIRT



**LBT-D609 EE/AE** • Amplifier: 2 x 60 Watts • Video Sound input, CD-direct • Equalizer: 10 Pre-Programmed and 5 Variable Presets, 7 Band • Equalizer with Spectrum Analyzer • **Cassette Deck:** Dolby HX-Pro, Recording Level Control, Tape • Counter • **Speaker SS-A609:** 3 way 16cm Woofer/8cm Mid/Dome Tweeter

**FM** CCIR OIRT



**LBT-D509 EE/AE**

- Amplifier: 2 x 50 Watts, Video Sound input
- Equalizer: 5 Pre-Programmed and 5 Variable Presets, 7 Band
- Equalizer: with Spectrum Analyzer
- Speaker SS-A509: 3 way 16 cm Woofer/6.5cm Mid/5cm Tweeter

**FM** CCIR OIRT



**GENERAL FEATURES FOR: LBT-D709, LBT-D609, LBT-D509**

**Amplifier:**

Turntable Input • Surround Output • Motorized Volume • Control • Headphone Jack • Equalizer Recording • Programming Function

**Equalizer:**

Dynamic Bass Feed Back

**Tuner:**

Synthesizer Tuner • FM/MW/LW • Wide band FM (CCIR/OIRT) for EE version • 30 Presets • Stereo/Mono switch • Auto • Tuning • Timer and Sleep timer • Station name memo

**Cassette Deck:**

Double Deck • Full Logic Control • Dolby B/C • Automatic Recording Level Control • High Speed Dubbing • Auto Reverse • AMS • CD-synchro dubbing

**Option CD Player:**

CDP-M43/CDP-C422M (5 CD-changer)

**Option Turn Table:**

PS-D707

**General:**

Includes Remote Control • Front width 35.5cm



LBT-D309CD

STEREO  
**PLUS**

**FM** CCIR OIRT

**LBT-D309CD EE/SU/AE & LBT-D359CD AE**

Amplifier output: 2 x 50 Watts

Equalizer Recording Equalizer: 7 Band Equalizer with Spectrum Analyzer • 5 Pre-programmed and 5 Variable Presets

Tuner: Timer and Sleptimer • Station name memo

Cassette Deck: Auto Reverse • AMS • CD-Synchro dubbing

Speaker SS-A309: 3 way 16cm Woofer/6.5cm Mid/5cm Tweeter



LBT-D359CD

## MIDI STEREO SYSTEMS

### LBT-D209CD EE/AE & LBT-D259CD AE

- Amplifier Output: 2 x 30 Watts
- Equalizer: 5 Band Equalizer
- Cassette Deck: Auto reverse, AMS
- Speaker SS-A209:  
3 Way 16cm Woofer/6.5cm Mid/1.6cm Tweeter

FM CCIR  
OIRT



LBT-209CD



LBT-D109CD

FM CCIR  
OIRT

STEREO  
PLUS

### LBT-D109CD EE/SU/AE & LBT-D159CD AE

- Amplifier output: 2 x 25 Watts
- Equalizer: 5 Band Equalizer
- Speaker SS-A109: 2 way 16cm Woofer/6.5cm Tweeter

## GENERAL FEATURES FOR:

### LBT-D309CD/359CD, LBT-D209CD/S259CD, LBT-D109CD/159CD

#### Amplifier:

- Turntable Input
- Surround Output
- Motorized Volume Control
- Headphone Jack

#### Equalizer:

- Dynamic Bass Feed Back

#### Tuner:

- FM/MW/LW
- Wide band FM(CCIR/OIRT) for EE & SU version
- Stereo Plus for SU version
- 30 Presets
- Stereo/Mono Switch
- Auto Tuning

#### Cassette Deck:

- Double Deck
- Full Logic Control

#### Dolby B

- Automatic Recording Level Control
- High Speed Dubbing

#### CD Player:

- Pulse D/A Converter
- 45 Bit Digital Filter
- Music Calendar
- Noise Shaping

#### D359/D259/D 159

- CD Player: 5 Disc Changer
- Turntable: PS-LX52 supplied

#### D309/D209/D 109

- Turntable: PS-LX52 option

#### General

- Include Remote Control • Front width 35.5cm

## MINI STEREO SYSTEMS

### MHC-6800AE

- Amplifier: 2 x 70 Watts • Digital Optical Line out • 2 Video Picture and Sound in and outputs
- Equalizer: Ai Bass Control • Sound Field Coordinator • 18 Pre-Programmed and 8 Variable Presets • Parametric Equalizer with Spectrum Analyzer • Variable Bass Surround • Digital Dynamic Sound • Digital Signal Processing • Digital Dolby Surround Prologic
- Cassette Deck: CD-Synchro dubbing • Relay Play • Auto Focus Recording
- Speaker: 3-way System • 16cm Woofer • 6cm Midrange • 2cm Tweeter



### MHC-4800 AE

- Amplifier: 2 x 60 Watts • Digital Optical Line out
- Equalizer: Sound field Coordinator • 12 Pre-Programmed and 6 Variable Presets
- Cassette-Deck: CD-Synchro dubbing • Relay play • Auto Focus Recording



### MHC-3800 AE

- Amplifier: 2 x 50 Watts • Digital Optical Line Out
- Equalizer: Sound Field Coordinator • 6 x 6 Presets Programmed and 6 Variable Presets • 7 Band Equalizer with Spectrum Analyzer
- Cassette Deck: CD-Synchro dubbing • Relay Play
- Speaker: 3-way system • 14cm Woofer • 6cm Mid-range • 2cm Tweeter



FM CCIR/OIRT



**MHC-2800 EE/AE**

- Amplifier: 2 x 40 Watts
- Equalizer: 6 x 6 Presets Programmed and 6 Variable Presets • 7 Band • Equalizer with Spectrum Analyzer
- Speaker: 3-Way System, 14cm Woofer, 6cm Mid-range, 2cm Tweeter

**GENERAL FEATURES FOR:  
MHC-6800/MHC-4800/MHC-3800/MHC-2800**

- Amplifier:**
- Turntable Input
  - Surround Output
  - Motorized Volume Control
  - Headphone Jack
  - 2 Loud Speakers Connection
  - Microphone Input with Mix possibility

- Equalizer:**
- 2 Steps Bass Sound
  - Equalizer Recording
  - Surround

- Cassette Deck:**
- Double deck
  - Feather Touch Control
  - Dolby B/C
  - Automatic Recording Level Control
  - High Speed dubbing

- Auto Reverse Recording and Playback
- AMS

- Tuner:**
- FM/MW/LW
  - FM (CCIR/OIRT) for EE Version
  - 30 presets
  - Stereo/Mono Switch
  - Auto Tuning
  - Timer and Sleep timer

- CD-Player:**
- 1 Bit D/A Converter
  - 18 Bit Digital Filter
  - Musical Calendar
  - Custom Edit
  - Shuffle Play
  - Repeat
  - Programmable



**MHC-C70 AE**

- Amplifier: 2 x 40 Watts
- Equalizer: 5 Presets Programmed and 5 Variable Presets • 5 Band Electric • Equalizer with Spectrum Analyzer
- Speaker: 3 Way System • 13cm Woofer • 5cm Midrange • 2cm Tweeter

**MHC-C50 EE/AE**

FM CCIR/OIRT

- Amplifier: 2 x 30 Watts • Equalizer: 5 Band Equalizer with Spectrum Analyzer
- Speaker: 2 Way System • 13cm Woofer • 5cm Midrange



**GENERAL FEATURES FOR: MHC-C70 & MHC-C50**

- Amplifier:**
- Turntable Input
  - Surround Output
  - Motorized Volume Control
  - Headphone Jack
  - 2 Loud Speakers Connection
  - Microphone Input with Mix possibility
  - BASS Sound/DBF13

- Equalizer:**
- 2 Steps Bass Sound
  - Equalizer Recording
  - Surround

- Cassette Deck:**
- Doubledeck
  - Feather Touch Control
  - Dolby B
  - Automatic Recording Level Control
  - High Speed dubbing
  - CD-Synchro dubbing

- Tuner:**
- FM/MW/LW
  - FM (CCIR/OIRT) For EE Version
  - 20 FM

- 10 MW and 10 LW presets
- Stereo/Mono Switch
- Auto Tuning
- Timer and Sleep timer

- CD-Player:**
- 5 CD Changer
  - 1 Bit D/A Converter
  - 18 Bit Digital Filter
  - Musical Calendar
  - Custom Edit
  - Shuffle Play
  - Repeat
  - Disc check



FM CCIR  
OIRT

**FH-B710 EE/AE**

Amplifier output: 2 x 40 Watts  
Equalizer: 7 Band Equalizer with Spectrum Analyzer • 2 Step Dynamic Bass Feed Back • 5 Pre-programmed presets  
Cassette Deck: CD-Synchro dubbing with Fader • Auto Reverse recording and playback • AMS  
Speaker: 3 way 14cm Woofer/5cm Mid/2cm Tweeter



FM CCIR  
OIRT

**FH-B610 EE/AE**

Amplifier output: 2 x 35 Watts  
Equalizer: 7 Band Equalizer, 2 Step Dynamic Bass Feed Back, 5 • Pre-programmed presets  
Cassette Deck: CD-Synchro dubbing with Fader, Auto Reverse • Recording & Playback, AMS  
Speaker: 3 way 13cm Woofer/5cm Mid/2cm Tweeter



STEREO  
PLUS FM CCIR  
OIRT

**FH-B510 EE/SU/AE**

Amplifier Output: 2 x 25 Watts  
Equalizer: 5 Band Equalizer, Dynamic Bass Feed Back  
Cassette Deck: CD Synchro dubbing  
Speaker: 3 way 13cm Woofer/5cm Mid/2cm Tweeter

**GENERAL FEATURES FOR: FH-B710, B610, B510**

**Amplifier:** Turntable input • Motorized Volume Control • 2 pairs of Speaker Connection • Headphone Jack

**Equalizer:** Surround

**Tuner:** FM/MW/LW • Wide band FM (CCIR/OIRT) for EE & SU version • Stereo Plus for SU version • 30 presets • Stereo/Mono switch • Auto Tuning • Timer & Sleep timer

**Cassette Deck:** Double Deck • Dolby B • Feather Touch Control • High Speed Dubbing • Automatic Recording Level Control

**CD player:** 1 Bit D/A Converter • 18 Bit Digital Filter • Musical Calendar • Custom Edit • Shuffle Play • Repeat • Programmable

**General:** Remote Control

RADIO CASSETTE RECORDERS WITH CD



**CFD-265LAE** • High-End CD Radio Cassette with Remote Control • Linear Skating Multi Function CD • Digital synthesizer tuner FM(CCIR) /MW/LW • 5 pattern electronic sound equalizer • Auto reverse deck • New Mega Bass System • Back Lit display • Power Output: 28 W P.M.P.O.



**CFD-560LAE** • 3 Piece Radio Cassette Recorder • Remote Control • FM(CCIR)/MW/LW/SW • 4 Band tuner • 4 Band Graphic Equalizer • 2 way speakers • Mega Bass • Power Output: 32 W P.M.P.O.



**CFD-110LEE** • Double Cassette CD Radio Cassette Recorder • FM (OIRT/CCIR)/MW/LW/SW • 4 Band tuner • Mega Bass • Multi function CD player • 2 speed Synchro dubbing • Power Output: 15,5 W P.M.P.O.



**CFD-10LAE** • Basic Single Cassette CD Radio Cassette Recorder • FM(CCIR)/MW/LW/SW • 4 Band tuner • Mega Bass • Multi function CD player • 2 Speed Synchro dubbing • Power Output: 18 W P.M.P.O.

RADIO CASSETTE RECORDERS



STEREO  
PLUS

FM CCIR  
OIRT

**CFS-710LEE/LSU**  
High Power 3 Piece Radio  
Cassette Recorder • High Po-  
wer output PMPO 100W • Auto  
Reverse • FM(OIRT/CCIR)/MW/  
LW/SW 4 Band Tuner • Stereo  
Plus for LSU (Russian stereo mo-  
dulation) • 4 Band Graphic  
Equalizer • Mega Bass • CD  
/Line Input • Power Output:  
100 W P.M.P.O.

**CFS-W430LEE** • Stan-  
dard 3 Piece Radio Cassette  
Recorder • FM (OIRT/CCIR)/MW/  
LW/SW 4 Band Tuner • 5 Band  
Graphic Equalizer • Balance Con-  
trol • Built-in Microphone • Power  
Output: 25 W P.M.P.O.



FM CCIR  
OIRT

**CFS-DW38LEE** • High  
Sound Quality Radio Cassette  
• High Power Output PMPO 60W  
• Mega Bass • 4 Band Graphic  
Equalizer • FM(OIRT/CCIR)/MW/  
LW/SW 4 Band tuner • CD / Line  
input • Power Output: 60 W  
P.M.P.O.



FM CCIR  
OIRT



NEW

FM CCIR  
OIRT

**CFS-904LEE** • Sports Stereo  
Radio Cassette • Splash Water Proof •  
Built-in Microphone • FM(OIRT/CCIR)/  
MW/LW/SW 4 Band Tuner • Power  
Output: 20 W P.M.P.O.

**CFS-W310LAE**  
Radio Cassette with Digital  
Tuner • Digital Synthesizer  
Tuner • FM(CCIR)/MW/LW 3  
Band Tuner • Mega Bass •  
Power Output: 25 W P.M.P.O.



FM CCIR  
OIRT

**CFS-W308LAE/LEE**  
Basic Double Radio Cassette  
Recorder • LAE: FM(CCIR)/MW/  
LW/SW 4 Band Tuner • LEE: FM/  
OIRT/CCIR)/MW/LW/SW 4 Band  
Tuner • Mega Bass • Power Out-  
put: 25 W P.M.P.O.

**CFS-E10EE** • Cute &  
Compact Cassette Recorder •  
FM(OIRT/CCIR)/MW 2 Band Tuner  
• Fashionable color Black/Blue •  
Power Output: 25 W P.M.P.O.

NEW



FM CCIR  
OIRT

**CFS-200LAE/LEE** • Basic Single Radio  
Cassette Recorder • LAE: FM(CCIR)/MW/LW/SW  
4 Band Tuner • LEE: FM(OIRT/CCIR)/MW/LW/SW  
4 Band Tuner • 2 way Speakers • Power Output: 25  
W P.M.P.O.

**CFM-140MK2EE**  
Basic Mono Cassette  
Recorder • FM(OIRT/CCIR)/  
MW 2 Band Tuner • 2-Way  
Speaker • Power Output : 5  
W P.M.P.O.

FM CCIR  
OIRT



WALKMAN



**WM-DD33** • Super Sound Quality Walkman with Mega Bass • Disc Drive and Quartz-Locked capstan Servo System • Variable Mega Bass • Dolby B • Slim Design • Battery Indicator • 2 Head-telephone Jacks • Carrier bag supplied



**WM-DD22** • Super Sound Walkman • Disc Drive and Quartz-Locked capstan Servo System • Dolby B • Anti-Rolling Mechanism



**WM-EX90** • New Concept Ultra Slim Walkman • Full Remote Control • Dolby B • 2x Mega Bass • Tape Counter • Rechargeable Battery Supplied • Charger Supplied



**WM-EX77** • Super Walkman • Slim and Sophisticated Design • Full Remote Control • Feather Touch Operation • Dolby B • 2x Mega Bass • AutoReverse • Rechargeable Battery Supplied (NC-6WM) • Quick Charger Supplied



**WM-EX88** • Super Walkman with LCD Remote Control • Remote Control with LCD display • Slim and Sophisticated Design • Full Remote Control • Feather Touch Operation • Dolby B • 2x Mega Bass • Auto Reverse • Rechargeable Battery Supplied (NC-6WM) • Quick Charger Supplied



**WM-EX39** • Auto Reverse Walkman with Dolby System • Auto Reverse • Dolby B • Mega Bass • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)



**WM-EX57** • Walkman with Full Remote Control • Full Remote Control • Feather Touch Operation • Dolby B • 2x Mega Bass • Auto Reverse • Advanced Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)



**WM-EX38** • Auto Reverse Walkman with Variable Mega Bass • Auto Reverse • Variable Mega Bass • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)



**WM-EX35** • Auto Reverse Walkman with Mega Bass • Auto Reverse • Mega Bass • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)



**WM-EX26** • Basic Walkman with Dolby System • Dolby B • Variable Mega Bass • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)



**WM-EX24** • Basic Walkman with Variable Mega Bass • Variable Mega Bass • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS) • Tape Selector • Auto Shut-off



**WM-EX23** • Basic Walkman • Mega Bass • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)

WALKMAN WITH TUNER



**WM-FX77 AE** • Super Walkman with Digital Tuner • Full Remote Control • FM(CCIR)/MW Synthesizer Tuner • Feather Touch Operation • Dolby B • 2 x Mega Bass • Auto Reverse • Rechargeable Battery (NC-6WM) and Quick Charger Supplied

WM-FX56 AE

Tuner Walkman with Full Remote control • Full Remote control • FM(CCIR)/MW Synthesizer Tuner • Feather Touch Operation • Dolby B • 3 x Mega Bass • Auto Reverse • 7 FM/MW Random Station Presets • Advanced Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)



**WM-FX41AE** • Basic Digital Tuner Walkman • FM(CCIR)/AM Synthesizer Tuner • 10 FM/AM Random Station Presets • Auto Reverse • Built-in Clock with Alarm • Advanced Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)



WM-FX45 AE/EE

Digital Tuner Walkman with Dolby System • EE-FM(CCIR/CIRT)/MW Synthesizer Tuner for EE Version • Dolby B • 2 x Mega Bass • 10 FM/AM random Station Presets • Auto Reverse • Built-in Clock with Alarm





FM CCIR/OIRT



**WM-FX39 AE/EE**  
Auto Reverse Tuner Walkman with Dolby Stereo System • FM (CCIR/OIRT)/MW Tuner built-in for EE Version • Auto Reverse • Variable Mega Bass • Dolby B • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)



**WM-FX32 AE**  
Basic Tuner Walkman with Auto Reverse • FM (CCIR)/MW Tuner built-in • Auto Reverse • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)

FM CCIR/OIRT



**WM-FX26 AE/EE**  
Basic Tuner Walkman with Dolby System • FM (CCIR/OIRT) MW Tuner built-in for EE Version • Variable Mega Bass • Dolby B • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)

FM CCIR/OIRT



**WM-FX21 AE/EE**  
Basic Tuner built-in Walkman • FM(CCIR/OIRT)/MW Tuner built-in for EE Version • Anti-Rolling Mechanism • Automatic Volume Limiter Control (AVLS)

**SPORTS WALKMAN WITH TUNER**



FM CCIR/OIRT

**WM-SXF30 AE/EE**  
Sports Walkman • FM (CCIR/OIRT) MW Tuner built-in for EE Version • Water Resistant • Auto Reverse

**RECORDING WALKMAN WITH TUNER**

**WM-GX90 AE** • New Concept Recording Walkman for Business • FM(CCIR)/MW Synthesizer Tuner • Recording Capability • Full Remote Control • Dolby B • 2x Mega Bass • Tape Counter • Clock • Rechargeable Battery Supplied • Charger Supplied • One Point Stereo MIC Supplied



**WM-GX35 AE**

Auto Reverse Recording Walkman • FM(CCIR)/MW Tuner built-in • Recording Capability • Dolby B • Auto Reverse • Anti-Rolling Mechanism • One Point Stereo MIC Supplied



**WM-F2085 AE**

Simple Digital Tuner Walkman with Dolby System • FM(CCIR)/MW Synthesizer Tuner • Dolby B • Mega Bass • 10 FM/AM Random Station Presets • Auto Reverse • Built-in Clock with Alarm • Tape Selector • Auto Shut-off



**DAT WALKMAN**

**TCD-D7** • Portable Digital Perfection • DAT Walkman • 1-Bit A/D Converter (recording) • 1-Bit D/A Converter (playback) • Lighted LCD Display with 4-segment Battery Indication • Anti-Shock Mechanism • Standard Play (SP) max. 2 hrs. • Long Play (LP) max 4 hrs. • Recording Level Control: 1x Manual, 2x Automatic (music, speech) • Microphone Jack with Microphone Sensitivity Switch • Date/Time Function (when available) • Automatic and Manual "Start IDs" while recording • High Speed AMS (100x normal speed) • 2-Speed search with sound (3x and 25x normal speed) • Serial Copy Management System • Line in/out • Headphone Jack • AC Adapter Connection • Works • 4 hrs. on 4 R6 "AA" Batteries • Weight: 510 grammes (incl. batt.)

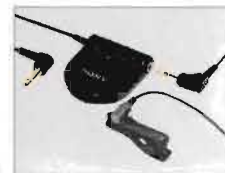


**SCOOPMAN**

**NT-1: The Scoopman!** • Digital Micro Recorder • Digital Stereo Micro Tape Recorder • Helical Scan with Flying Erasing Head • Sample Frequency 32kHz • Recording/ Playback Time max. 120 minutes (NTC-120) • LCD Display • Digital Real Time Tape Counter • Built-in Clock/Calendar • 7 Hours of Recording when using a Battery • Hold Switch • Frequency Range 10-14,500Hz • Harmonic Distortion 0.08% • Microphone Connection • Stereo Ear/Headphone Jack • Stereo Line In/Out • Dimensions: (WxHxD) 112.9x23.1x55.2 • Weight: 147 Grammes including Battery



**MICROPHONES**



**ECM-T140** • Hands-Free Recording With Tie-Tac Microphone • Weight: 13 gr • Dimension: 8.5 X 18.0 mm • Gold Plated L-Shaped Mini-Plug • Omni Directional Pattern picks up sound from all directions • Battery or Plug-In Power with Sony Portable Recorders

**ECM-T150** • Super-light Hands-Free Recording With Tie-Tac Microphone • Weight: 8 gr • Dimension: 5.6 x 17.7 mm

**ECM-909A** • Handy Microphone For Stereo Recording • One-Point Stereo Design, A single MIC for Stereo Recording • Dimension: 30 X 116 mm • MS (Mid/Side) pickups for Matrix Stereo Output • MS switch adjusts pickup angle for 90° or 120° • Supplied Stand/Holder, Case • Gold-Plated Stereo Mini-Plug fits Portable Recorders



**NTC TAPE** • For Scoop-Man NTC-60/NT-1 • Sony's Breakthrough NTC put Hi-Fi Digital Sound into a Cassette the Size of a Typical Postage Stamp. The Secret is Dual-Layer Metal Evaporated Magnetic Material on an Aramid Base Film, in an Innovative Non-Tracking, Non-Loading System. Pinch Rollers are Self-Aligning Guides are incorporated in the Cassette so the Recorder can be smaller too. Available in 60/90/120 min.

TAPE RECORDERS

**M-88V** • Ultra-compact Pocket Size • Built-in Voice Operated Mic (V.O.R.) • Additional MIC with Remote Control Function • 3-Digit-Tape Counter • Cue/Reviews Function • Mic Sensitivity Switch • Includes Carrier bag

**M-607V** • Sophisticated Microcassette Recorder with VOR • Compact Series Design • Fast Playback Feature • Voice-Operated Recording (VOR) • 3-Digit Tape Counter • Cue/Review, Auto Shut-off • Includes Wrist Belt



**M-405** • Handy Microcassette Recorder • Compact Series Design • Fast Playback: 20 % faster than normal playback mode • Cue / Review • 1-Touch Recording Control • Includes Wrist Belt

**TCM -S67V** • Small Size Full Featured Tape Recorder with Flat Mic • Flat Mic • Voice Operated Recording (V.O.R.) • One Touch Recording • Auto Shut Off • Tape Counter • Cue / Review Function • LED Battery Level Indicator • Includes Wrist Belt



**TCM-S68V** • Small Size Full Featured Tape Recorder with Sliding Mic • Sliding MIC, Hi/Low Mic Sensitivity Switch • Cue Marker Tape Indexing System • Voice Operated Recording (V.O.R.) • One Touch Recording • Auto Shut Off • Tape Counter • Cue / Review Function • LED Battery Level Indicator • Includes Wrist Belt



**TCM-S66V** • Handy Tape Recorder with VOR • Fast Playback for Quick Review • Cue / Review • Auto Shut Off • One Touch Recording



**TCM-55V** • Handy Tape Recorder with VOR and Zero-Stop Counter • Very Compact Size • Zero-Stop Tape Counter • V.O.R. Function with Sensitivity Switch • Flat Mic • Cue / Review Function



**TCM-919** • Desktop Cassette Recorder • Tape Counter • Cue / Review • Full Auto Shut Off • One Touch Recording • Built-In Mic • AC Adaptor Supplied



**TCM-S65** • Handy Tape Recorder with Tape Counter • Front Speaker • Fast Playback • Cue / Review • Handstrap Attached



DISCMAN

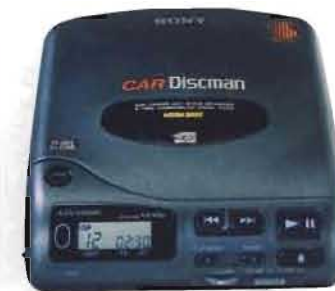
**D-223** • Slim size Discman with Rechargeable Battery • Rechargeable Battery (BP-DM1) supplied • Back Lit LCD / DC-in and Battery • Remote Control Headphones supplied • 1 bit D/A Converter • Mega Bass • AC Adapter Supplied



**D-121** • Basic Discman • 1-bit D/A Converter • Mega Bass • Automatic Volume Limiter Control (AVLS) • Programmable play • Intro Scan • Headphone and AC adapter supplied



**D-T115** Discman with Digital FM/MW tuner • FM(CCIR)/MW synthesizer tuner • Back Lit LCD / DC-in and Battery • 1 bit DA converter • Mega Bass • Rechargeable Battery supplied • Headphone and AC Adapter supplied



**D-802K** • Basic Car Discman • Car Mounting Kit supplied • Illuminated Buttons and LCD display • Dual damper Anti-shock system • Mega Bass • Resume Play



**D-822K** • Car Discman with Wireless Remote Control • Wireless Remote Control • Car Mount Kit Supplied • Digital Sound Processor • Mega Bass • Automatic Volume Limiter Control (AVLS) • 1 bit D/A Converter

INFRARED HEADPHONES



**MDR-IF310K**  
Cordless Headphone with Transmitter • supra-Aural Closed Type with 30 mm Driver • Wide effective range: up to 23 feet, up to 90° • Operates on two "AA" Batteries • Unimatch Plug



**MDR-IF510K**  
Sophisticated Cordless Headphone with Transmitter • Increased effective range • Superb Sound Quality

MDR-CD250

Closed-Type Stereo Headphones • Samarium Cobalt Magnets • "Ear-Conscious Design" eliminates pressure on the ear • 30 mm Driver • Ceramic Composite Earcups • Gold-Plated Uni-Match Plug

CLOSED-TYPE HEADPHONES

MDR-CD350

High Sensitive Closed-Type Headphone • Mold Headband • Powerful Neodymium Magnets

**MDR-CD 450**  
Comfortable Closed-Type Headphone • Big-Size Mold Headband

**MDR-CD 550**  
Dynamic Sound Closed-Type Headphone • 40 mm Driver • Big-Size Mold Headband • Powerful Neodymium Magnets

**MDR-CD 750**  
Free-Adjusting Closed-Type Headphone • Free-Adjusting Headband always maintaining precise sound balance • High-Power Neodymium Magnets



FONTOPIA EARBUDS



MDR-E515

Fontopia Twin Turbo Earbuds • Twin Turbo Circuit for Deep Bass • Single-sided OFC Cord • L-Shaped Mini-Plug • 13.5mm Drivers • Cooper Clad Aluminum Voice Coil

MDR-E525

Fontopia Twin Turbo Earbuds with Compact Case • Wind-up Carrying case

MDR-E747

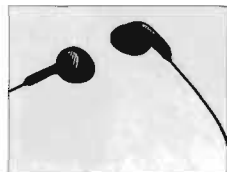
Highly Sensitive Twin Turbo Fontopia Earbuds • 16 mm Drivers • Gold Plated L-Shaped Mini-Plug • LC-OFC Litz Cord • Powerful Neodymium Magnets

MDR-E560G

Sports Twin Turbo Earbuds • Water Resistant Sports Design • Compact Wind-up Carrying Case

MDR-E575

High-End Twin Turbo Earbuds • Compact Wind-up Carrying Case • Sapphire-evaporated Diaphragm



OPEN-AIR HEADPHONES



MDR-005

Fashionable Open Air Headphone • Lightweight 36 gr • 23 mm Driver • Unimatch Plug



MDR-14

Light Weight Open Air Headphone • "Turbo" accurate for Mega Bass Reproduction • 30 mm Driver • Copper Clad Aluminium Voice Coil • Turbo Circuit for Digital Sound



MDR-24

Comfortable Light Weight Openair Headphone • Wide Comfortable Headband



MDR-44

Highly Sensitive Open Air Headphone • Super Comfortable Headband • Gold Plated Unimatch Plug

LIGHTWEIGHT HEADPHONES

MDR-W12L

Twin Turbo Vertical In-The-Ear Headphone • Gold Plated L-Shaped Mini Plug • Oxygen-Free Copper Litz Cord • Lightweight



MDR-W07L

Light Weight Vertical In-The-Ear Headphone • Ultra-Light: 13 gr • Admits Ambient Sound For Safety • 13.5 mm Driver • Copper Clad Aluminium Voice Coil • L-Shaped Stereo Mini Plug

FOLDING HEADPHONES



MDR-A22L

Folding Vertical In-The-Ear Headphone • Compact 3-Point Folding Design • 16 mm Driver • Admits Ambient Sound for Safety • Gold-Plated L-Shaped Mini Plug

MDR-A17G

Water Resistant Folding Headphone • 13.5 mm Driver • L-Shaped Stereo Mini Plug



## PERSONAL AUDIO

### PERSONAL ACTIVE SPEAKERS FOR WM AND DISCMAN



**SRS-7** • Basic Personal Speakers • Weight: 100 gr • Bass Reflex Duct • Stereo Mini-Plug Input



**SRS-28** • Dynamic Sound Personal Active Speakers • 0.4 Watt X2 speaker System • Bass Reflex • Phono and Mini-Plug Input • Speakers operate on "AA" x 2 each



**SRS-58** • Powerful Mini Hi-Fi Personal Active Speakers • 3 Watt x 2 Speaker System • Dynamic Sound Duct For Bass • AC-Power Adapter Supplied



**SRS-38** • Powerful Personal Active Speakers For Convenient Use • 1.2 Watt X2 Speaker System • Speakers Operate on "AA" X4 each • Built-In Volume Control

### INFRARED STEREO ACTIVE SPEAKER SYSTEMS



**IFS-50K** • Sophisticated Infrared Stereo Active Speaker System with Transmitter • 5 Watt x 2 Speaker System • Hi-Band Infrared Transmission • Dolby C Noise Reduction System • Speakers Magnetically Shielded For Use next to a TV • Speakers Use 4 "D" Batteries Each or AC Adaptor



**IFS-20K** • Infrared Stereo Active Speaker System with Transmitter • 1.2 Watt x 2 Speaker System • Full Range Bass Reflex Speaker System • Speakers use 4 "AA" Batteries • Auto on/off Power Switching • Range: up to 23 feet; up to 90°

## PERSONAL AUDIO

### PORTABLE RADIOS



**ICF-880LAE** • 3 band Portable Radio with FM Preset Function • 3 band FM(CCIR)/MW/LW • 3 station presets for FM reception • Built-in AC Transformer • Operated by 4 AA Batteries • Large Speaker • Black Color



**ICF480 LAE/SEE** • Basic 3 band Portable Radio • Radio reception with 2 versions • LAE: FM(CCIR)/MW/LW • SEE: FM(CCIR/OIRT)/MW/SW • DC-in jack • Flip-out handle • Operated with 2 AA batteries or AC adapter • Black color



**ICF-M750LAE** • Includes 15 Preset Stations • 3 band reception of FM, MW, and LW • PLL Synthesizer Tuner • Digital clock with Single Alarm • 15 pre-set stations • Battery life Indicator • Tone Control



**ICF-780LAE** • AC/DC operated 3 band Portable Radio • 3 band FM(CCIR)/MW/LW • Built-in AC transformer • Operated by 4 AA batteries • Large Speaker • Black Color



**ICF-380LAE/AE/EE/LEE** • Basic 2 band Portable Radio • Radio reception with 4 versions • AE: FM(CCIR)/MW • LAE: FM(CCIR)/LW • EE: FM(CCIR/OIRT)/MW • LEE: FM(CCIR/OIRT)/LW • Flip Out Handle • Operated by 2 AA batteries • Black Color



**ICF-M350LAE** • Includes Synthesizer Tuner and Digital Clock! • 3 band reception of FM, MW, and LW • PLL Synthesizer Tuner • Digital Clock with Alarm Function • Battery life Indicator • Telescopic Antenna • AC Adapter Connection

CLOCK RADIOS

**ICF-C770L** • Clock Radio with Unique Swing Display Styling • Reception of FM, MW and LW • Surveyable Display with Green LEDs • Real Dual Alarm • Forward and Reverse Time Setting • Wake up by Radio/Beeper • Wall Mount Facility • Works on AC • Power Back-up



**ICF-C102LAE** • Cube Clock/Radio • FM/LW Radio Reception • Green LED • Sleep Function • Wake Up Radio Buzzer • Power Back-Up



NEW

**ICF-C760LAE** • Sophisticated Clock Radio • 2 Band FM(CCIR)/LW • Date Display • Dual Alarm • Battery Back-up Function • AC Operation



NEW

**ICF-C26EE/LEE** • First Clock Radio for Eastern Europe! • Radio Reception with 2 versions: • EE: FM(CCIR/ OIRT)/MW • LEE: FM(CCIR/ LW • Two Wake-up Modes (Radio/Buzzer) • Repeat Alarm • Battery Back-up Function • AC Operation



NEW

**ICF-C703LAE** • Digital Tuning Clock Radio with Advanced Design • 3 Band FM(CCIR)/ MW/LW • Synthesized Tuner • Quartz-locked Clock • Dual Alarm • Dimmer • Battery Back-up Function • AC Operation



**ICF-C420LAE** • Easy to Control! • FM and LW Radio Reception • Wake up by Radio/Buzzer • Works on AC • Power Back-Up • Red LED's



**ICF-C1000 AE** • The Ideal Travelling Companion! • FM/MW Radio Reception • LCD Display • Radio/Buzzer Wake-up • Sleptimer • Operates with 2 Penlight Batteries (1.5 volt)



MULTI-BAND RADIOS

**ICF-SW77** • "Station Call" Makes it Easy to Tune in to Any Station! • New Tuning System "Station Call" • 100 Station Memory (max. 160 frequencies) • Programmable Auto Select • Dual • World Time Clock • SSB Receivable • FM Stereo • Dimensions (W/H/D) 168 x 273 x 45mm • Weight 1480g



**ICF-SW55** • A Small World Receiver with Memory for 125 Different Frequencies • LMM/MW/SW 150-29999 kHz FM 76.0-108MHz • Station Name Display • 1/10 kHz Precise Tune • Rotary Tune • SSB Reception • EEPROM Memory WER Back-up • FM Stereo • World Time Clock x 5 timer • Dimensions (W/H/D) 127 x 194 x 39mm • Weight 850g



**ICF-SW1E** • Small Enough to Fit in Your Pocket! • FM/MW/LW/SW Full Coverage Synthesizer Receiver • Dual Conversion System • Music/news 2-step Tone Control • 4-Way Tuning • Record Out Input Sockets • Digital Clock and Alarm • Timer Stand-by Function • Dimensions (W/H/D) 118 x 71 x 23mm • Weight 230g



**ICF-SW7600** • World Receiver with 4-Band Synthesizer Receiver • FM/MW/LW/SW • Dual Conversion System • Music/News 2-Step Tone Control • 4-Way Tuning • Record Out & Antenna Input Sockets • Timer Stand-By Function • Single Side Band Feature allows SSB Reception without the interference of Jamming • Dimensions: (W/H/D): 119 x 185 x 32mm • Weight: 600g



**ICF-SW33** • 38 City name LCD Display • FM: 76 - 108MHz • MW: 530-1710kHz • SW1 - SW11 • 17 Memory Presets • AC Adapter Connection • Works on 3 Batteries

**ICF-SW15** • 9-Band World Receiver with Feather Touch Control • FM: 76-108MHz • MW: 530 1710kHz • SW1 ~ SW7 • Feather Touch Control • Operates on two AA 1.5 volt batteries • Lock Function • Includes Earphone & Carrier Bag



STEREO RADIOS

**SRF-M70AE** • Sports Walkman-Radio with Convenient Arm Belt • Splashproof • FM/MW Stereo/Radio reception • LCD display • 10 Preset Stations • Ear/Headphone Jack • Includes Beltclip and Arm Belt



**SRF-M33AE** • Small Size with Excellent Features! • FM Stereo/Radio Reception • 10 Preset Functions • LCD Display with Digital Clock • Hold Switch • Includes Stereo Headphones and Belt Clip • Built-in Clock

**SRF-88AE** • Radio Walkman with Convenient Armband! • AM/FM Stereo Radio Walkman • Special Armband to Wear the Radio on Your Arm • Splashproof • One Battery Operation • FM mode selector • Includes Headphone





**SPP-A20** • Cordless Telephone with built-in Answering Machine • 10-channel • Noise Reduction system • Two-way Page/intercom • Out of Range Alert • Speed Dialing Access to 10-number • Security Code System with 265 Combinations

**SPP-95** • Cordless Freedom with Intercom and One-Touch Dial Capability • 10 Channel • Noise Reduction • Intercom/2-way Page • Base Speakerphone • 3 one-Touch Dial • 10 Speed Dialing • Out of Range Alert • Base Unit: (H/D): 118 x 37 x 229mm • Handset: Dimensions (W/H/D): 58 x 201 x 70mm • 315g



**SPP-I90** • Stylish, Feature-Filled Cordless Phone with Added Dial Key Pad on the Base Unit! • Base Speakerphone with Adjustable Volume • 2-Way Paging/Intercom/Call Transfer Between Handset and Base Unit • Security Code System with 1 million Combinations • 10-Channel Auto Scan System • Noise Reduction System • Dual Battery Pack System • Extended 7-day battery back-up protection • 10-LED Multi Indicator • 3-Number Speed Dialing • 10-Number Speed Dialing • Holding with Auto Release



**SPP-D15** • Cordless Convenience in a 2-line Dual Telephone System • 2 line Telephone System • 3 way Conference • 2 way Paging/Intercom/Call Transfer between Handset and Base • 10 Number One-Touch Memory Dialing • Speed Dialing Access to 10-Number One-Touch Memory Dialing • Auto Security System with 256 Combinations • Last Number Redial • Battery Save Mode/Touch-to-Talk Button



**SPP-97** • A Multi-Function Cordless Telephone with Illuminated Keypad! • Illuminated Keypad and Talk Key • 10-Channel Transmission • Out of Range Alert • Security Code System • Noise Reduction System • Extended 7-day battery • Battery Save Mode/Touch to Talk System • Base Speakerphone • 2-Way Paging/Intercom • 3-Number One-Touch Memory Dialing • 10 Number Speed Dialing • Last Number Redial



**SPP-77** • Cordless Telephone that "Sees" in the Dark! • Illuminated Keypad and Talk Key • 10-Channel Transmission • Out of Range Alert • Security Code System • Noise Reduction System • Extended 7-day battery • Battery Save Mode/Touch to Talk System • Paging Feature



**SPP-55** • Cordless Telephone • 1 Way Page • 7 days Battery Standby • 10 Number Speed Dial • Out of Range Alert • Base Unit: Dimensions (W/H/D): 101 x 39 x 227mm • Weight: 380g • Handset: Dimensions (W/H/D): 59 x 194 x 68mm •



**IT-A3000** • Integrated Digital Telephone Answering Machine • No cassette required • Digital Message storage with 19 minute Capacity • "Digital Message Shuttle" (Skip/Repeat/Backspace) • Voice-Guided Operation • Multi-Function LCD Display and Message Counter • Voice Time/Day Stamp • Announce-Only Mode • Memory Usage Gauge • Message Transfer with User-Recorded Transfer Message • Audible Message Alert • Message Security • Speakerphone • 6-Number One-Touch Dialing • 20 number Speed Dialing



**IT-B3** • Basic Corded Telephone; Keeping Communication Simple! • Dialing Mode: Pulse, Tone • Ringer Level: High, Low, Off • 10 Speed Dialing Function • Flash • Redial • Wall Mountable



**IT-A305** • Telephone/Answering Machine • Message Counter • Beeperless Remote • Memo Message • Speakerphone • 5 One-Touch Dial and 115 Speed Dials • Scratchpad Memory • Wall Mountable • (W/H/D): 201 x 79 x 219mm • Weight: 950g



WALKIE-TALKIE

**ICB-U100** • Transceiver-Ski Walkie-Talkie • Push to talk communication system • LCD display • Weather Resistant Case • Operating Frequency: 422.2-422.3MHz • Power Requirements 4.5V DC • 3 Batteries (R6 Type, Size AA) • Dimensions: 108 x 71 x 38mm • Weight: 240 grammes





**XR-U800RDS** • Radio Cassette with New Rotary Remote Control • SSIR-EX/D1 Tuner with RDS (EON) • Best Tuning Memory, 40 Presets • CD/DSP Control, Custom File • Laser Amorphous Head • Anti-Theft Detachable Front

Panel • Copper Plated Chassis • Twin Display • Dolby B/C Noise Reduction, Metal • Feather Touch Cassette Deck • AMS, ATA • 2 Colour Illumination (Amber, Green) • Pre-Out x 2

**CDX-U300** • Compact Disc Autochanger • 10 CD Capacity • 1 Bit D/A Converter • BSL Motor • Custom File



**RM-X36** • Remote Control for XR-U700RDS, XR-U500RDS

**XR-U700RDS** • A High-End Radio Cassette with Full Range of Functions • SSIR-EX Tuner w/RDS (EON) • Best Tuning Memory, 40 Presets • CD/DSP Control, Custom File • 25 W x 4 Output Power • Anti-Theft Detachable Front Panel • Twin Display • Dolby B/C Noise Reduction, Metal • Feather Touch Cassette Deck • AMS, ATA • 2 Colour Illumination (Amber, Green) • Remote Control • Pre-out x 2

**XR-U300RDS** • A Radio Cassette Equipped with RDS and Unilink • SSIR-A Tuner w/RDS • Best Tuning Memory, 18 Presets • CD Control, Custom File • 20 W x 4 Output Power • Anti-Theft Detachable Front Panel • ATA • Amber Illumination • Pre-out x 1



**XR-U500RDS** • A Mid-Range Radio Cassette with Full Functions • SSIR-EX Tuner w/RDS (EON) • Best Tuning Memory, 40 Presets • CD Control, Custom File • 20 W x 4 Output Power • Anti-Theft Detachable Front Panel • Twin Display • Dolby B Noise Reduction, Metal • AMS, ATA • 2 Colour Illumination (Amber, Green) • Remote Control • Feather Touch Cassette Deck • Pre-out x 2



XR-U400 RDS also Available

**XR-7043EE** • An Affordable Radio Cassette with CD Control • OIRT/CCIR Tuner • Best Tuning Memory, 30 Presets • CD Control • 25 W x 4 Output Power • Anti-Theft Detachable Front Panel • ATA • Auto-Reverse • Amber Illumination • Pre-Out x 1



**XR-5600RDS** • A Full Specification Radio Cassette Equipped with RDS • Tuner w/RDS (EON) • Best Tuning Memory, 24 Presets • 20 W x 4 Output Power • Anti-Theft Detachable Front Panel • Dolby B, Metal • AMS, ATA • Auto Reverse • Bass/Treble, Loudness • Electronic Volume • Amber Illumination • Pre-out x 1 • XR-5500RDS also Available

**XR-4403EE** • A Powerful Mid-Range Radio Cassette • OIRT/CCIR Tuner • Best Tuning Memory, 24 Presets • 20 W x 4 Output Power • Anti-Theft Detachable Front Panel • ATA • Auto-Reverse • Bass/Treble, Loudness • Electronic Volume • Amber Illumination



**XR-3053EE** • A Mid-Range Radio Cassette with OIRT Tuner • OIRT/CCIR Tuner • A. Mem/M. Scan, 18 Presets • 7 W x 4 Output Power • Pull-out Security • Auto-Reverse • Bass/Treble, Loudness • Electronic Volume • Amber Illumination



**XR-1553EE** • A Budget Radio Cassette Specifically Designed for East European Operation • OIRT/CCIR Tuner • A. Mem/M. Scan, 18 Presets • 25 W x 4 Output Power • Pull-Out Security • Auto-Stop • Bass/Treble, Loudness • Electronic Volume • Amber Illumination



EE Models are also available without OIRT Tuner (XR-7040, XR-4400, XR-3050)



**CDX-5260** • First Class CD Player • SSIR-EX Tuner • Best Tuning Memory, 30 Presets • 1 Bit D/A Converter • 20W x 4 Output Power • Anti Theft Detachable Front Panel • Amber Illumination • Pre-Out x 1



**XM-4040** • A Powerful Amplifier with Choice of 4, 3 or 2 Channel Output • Maximum Output 4 x 90W, 2 x 90W or 2 x 200W • S/N Ratio 105dB • Wide frequency Response (8Hz-100KHz) • MOSFET Switching Power Supply • Fully Discrete, High Current Power Transistors • Total Harmonic Distortion 0.005% • Gold Plated Connectors • 223mm x 60mm x 310mm • Weight 4.6 Kg



**XM-C2000** • A One-Box Solution for Multi-Amp Performance. • Maximum Output 65W x 6 or 50W x 4 + 200W • Built-in 2/3 way Active Crossover Network • S/N Ratio 105dB • MOSFET • Switching • Power Supply • Wide Frequency Response (5Hz-100KHz) • Total Harmonic Distortion 0.005% • 227mm x 36mm x 120mm • Weight 1.3 Kg



**XM-3020S** • A Powerful Compact Amplifier • 2 or 1 Channels • Max. Output 2 x 60W or 1 x 160W • S/N Ratio 105dB • Wide Frequency Response (8Hz-100Hz) • MOSFET Switching Power-Supply • Fully Discrete, High Current Power Transistors • Total Harmonic Distortion 0.005% • 227mm x 36mm x 120mm • Weight 1.3 Kg • High or Normal Level Input



**XM-2020S** • A Walkman Size Amplifier to Boost the Output Power of a 4 Speaker System • Max. Output Power 2 x 35W • 2 Channels • S/N Ratio 95dB • Wide Frequency Response (8Hz-100Hz) • Total Harmonic Distortion 0.005% • 130mm x 32mm x 80mm • Weight 1.3 Kg



**XS-8031** • 20cm 3-way • High Efficiency Rear Mount Loudspeaker • Max 180W



**XS-6951** • 16cm x 24cm 3-way • High Performance Loudspeaker • Max 140W



**XS-3051D** • 13cm 2-way • High Performance Loudspeaker • Max 100W



**XS-6933** • 16cm x 24cm 3-way P.P. Cone • Rear Mount Loudspeaker • Max 140W



**XS-6031** • 16cm 3-way P.P. Cone • Door Mount Loudspeaker • Max 160W



**XS-6920II** • 16cm x 24cm 2-way P.P. Cone • High Efficiency • Rear Mount Loudspeaker • Max 140W



**XS-1013** • 10cm Dual Cone Loudspeaker • Max 40W



**XS-3013** • 13cm Dual Cone Loudspeaker • Max 50W



**XS-6013** • 16cm Dual Cone Loudspeaker • Max 60W