

# ICD-PX312/PX312D/ PX312F/PX312M

## SERVICE MANUAL

Ver. 1.0 2011.02

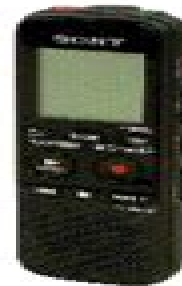


Photo: ICD-PX312

*E Model*  
ICD-PX312/PX312M

*Chinese Model*  
ICD-PX312M

*Latin American Model*  
ICD-PX312D/PX312F

**Note:**

Be sure to keep your PC used for service and checking of this unit always updated with the latest version of your anti-virus software. In case a virus affected unit was found during service, contact your Service Headquarters.

### SPECIFICATIONS

#### IC recorder section

Capacity (User available capacity)  
2 GB  
Approx. 1.60 GB = 1,632,735,263 Bytes  
A part of the memory capacity is used as a management area.

Frequency range  
• SHQ: 15 Hz - 20,000 Hz  
• HQ: 15 Hz - 17,000 Hz  
• SP: 15 Hz - 14,000 Hz  
• LP: 15 Hz - 3,500 Hz

Bit rate and sampling frequencies for  
MP3 files\*\*  
Bit rate: 32 kbps - 320 kbps, VBR  
Sampling frequencies:  
16/22.05/24/32/44.1 kHz  
File extension: .mp3

\*\* The playback of MP3 files recorded using  
the IC recorder is also supported. Not all  
encoders are supported.

#### FM radio section (ICD-PX312F only)

Frequency range (ICD-PX312F only)  
87.50 MHz - 108.00 MHz  
BF 128 kHz

Antenna (ICD-PX312F only)  
Stereo headphones cord antenna

#### General

Speaker  
Approx. 28 mm (1 1/8 in.) dia.

#### Input/Output

- Microphone jack (mini jack, stereo)
  - Input for plug-in power, minimum input 1 mV
  - 0.6 mV
- Headphone jack (mini jack, stereo)
  - output for 8 ohms - 300 ohms impedance headphones
- USB connector (USB Mini-B jack)
  - High-Speed USB compatible
- Memory Stick Micro™ (M2™) miniSD memory card slot

Playback speed control (DPC)  
2.00 times - 0.50 times

Power output  
300 mW

Power requirements  
Two LR03 (size AAA) alkaline batteries (supplied): 3.0 VDC  
ICD-PX312/PX312D/PX312F  
Two NiH-AAA-B20N rechargeable batteries (not supplied): 2.4 VDC  
ICD-PX312M  
Two NiH-AAA rechargeable batteries (not supplied): 2.4 VDC

Operating temperature  
5°C - 35°C (41°F - 95°F)

- Continued on next page -

IC RECORDER

# SONY®

# Sony Icd Px312 Manual

**RJ Shavelson**



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