

# Wired Remote Control for the Marantz® PMD560/570 players

## Technical Data

### MARP-WRC

Firmware revision 1.00

### Features

- Simple unobtrusive controller for the recording of audio in board/meeting rooms
- Easy connection to Marantz® PMD560/570 player serial (RS232) port
- Provides bright visual indication of STOP, PLAY, PLAY PAUSE, PLAY F.FWD, PLAY F.REV, CARD ERROR, RECORD and RECORD PAUSE
- RECORD and STOP buttons allow simple control without the need to access the player
- Ergonomic visually pleasing design with internal weight to prevent table slip
- Ultra low power consumption, no need for additional power adaptor
- Fully sealed label provides protection against drink spills

### Description

The MARP-WRC provides two button record control and visual status indication of a connected Marantz® PMD560/570 player.

The mouse sized unit, once connected to the player using its integral 5 metre lead, can be placed in a convenient location on a board/meeting room table to allow the recording of conferences and discussions\*.

Visual indication of player status is provided by high brightness red and green indicators located around the RECORD button, which show STOP, PLAY, PLAY PAUSE, PLAY F.FWD, PLAY F.REV, CARD ERROR, RECORD and RECORD PAUSE.

The two button control allows the player to be placed into record mode, create a new record mark and stop the recording process.



### Applications

The MARP-WRC is primarily for the simple control of audio recording in areas where conversations, discussions or conferences are taking place.

The unit allows the PMD560/570 player to be placed out of sight to prevent media tampering or access to all the player controls.

### Selection Guide

Description	Part Number
Wired Recording Controller (5 metre lead)	MARP-WRC

\* In conjunction with an external microphone connected to the player, not supplied.

## Power requirements

The MARP-WRC is powered from the serial port CTS/TXD lines of the connected PMD560/570 player. The maximum current draw is 10mA.

## Serial interface

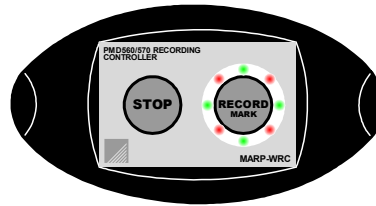
The MARP-WRC interface connection is a standard DB9 male as specified within the PMD560/570 player specification. All IO is TTL/CMOS compatible.

## MARP-WRC interface

Function	DB9 Male
RXD	2
TXD	3
Ground	5
RTS	7
CTS	8
All other connection are N/C	

## Status Indication

The MARP-WRC provides the indication of player status using a ring of red and green indicators located within the window around the RECORD button as follows:



These indicators are illuminated to indicate status as follows:

STOP	Pulsing green
PLAY	Green rotation slow clockwise.
PLAY PAUSE	Green rotation stop.
PLAY F.FWD	Green rotation fast clockwise.

PLAY F.REV	Green rotation fast anti-clockwise.
RECORD	Red rotating slow clockwise.
REC PAUSE	Red rotation stop.
ERROR	Flashing red.

## Control buttons

The MARP-WRC provides two tactile buttons marked 'STOP' and 'RECORD' which allow the player to be controlled as follows:

### RECORD

Starts record or creates a 'mark' point and continues recording if recording already in progress.

### STOP

Stops the recording process.

## Electrical Characteristics (T<sub>A</sub> = 25°C Typical)

Parameter	Minimum	Maximum	Units	Notes
Supply Voltage (CTS/TXD)	4.5	9	V	
Supply Current	-	10	mA	
RXData output high level	GND	0.8	V	
RXData output low level	2.4	5.1	V	
TXData input low level	2.4	15	V	
TXData input high level	0.8	-15	V	

## Absolute Maximum Ratings

Parameter	Minimum	Maximum	Units
Supply Voltage (CTS)	-0.5	+10	V

## Environmental

Parameter	Minimum	Maximum	Units
Operating Temperature	0	70	°C
Storage Temperature	-10	80	°C
Humidity	0	80	%
Dimensions	See below		
Weight	150g		
Immunity & emissions	EMC compliance to 89/336/EEC		

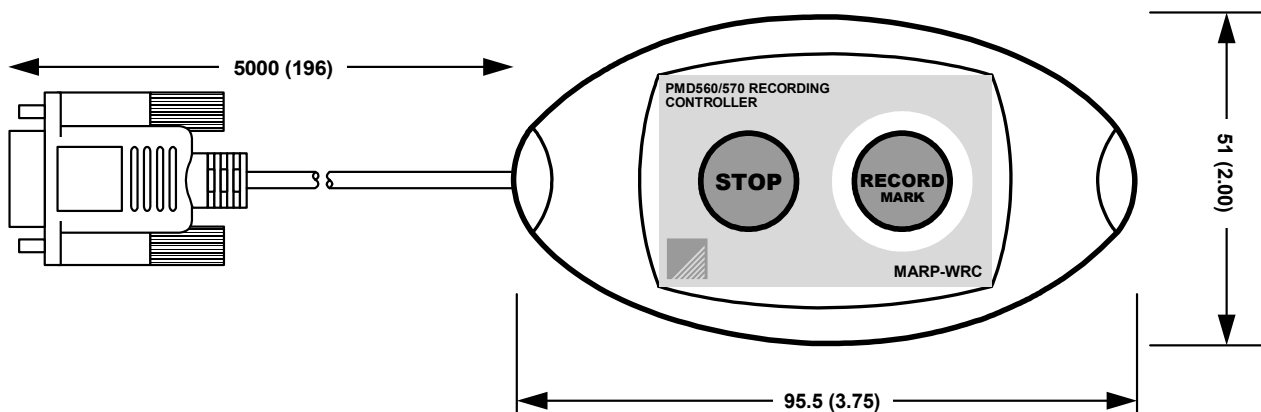
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Page 2 of 4 V1.00

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## Mechanical Specifications – Units millimetres (inches)



## Installation

1. Ensure power to the Marantz PMD560/570 player is switched OFF.
2. Site the MARP-WRC in a convenient location within five (5) metres of the player and route the lead as required, ensuring that the lead cannot cause a tripping hazard.
3. Insert the end of the lead into the 'RS232C' connector on the rear of the player and secure with the integral screwlocks.
4. Switch ON the player and wait for the MARP-WRC to indicate a stop condition (pulsing green indication) or an error condition (flashing red indication). Insert a card or determine the error before continuing.
5. Test record control by pressing the RECORD button and checking the MARP-WRC for record condition (rotating red indication) and then pressing the STOP button and checking for the stop condition (pulsing green indication).

During playback, controlled from the front panel of the PMD560/570, the MARP-WRC will indicate playback status as described above.



## WEEE Consumer Notice

This product is subject to Directive 2002/96/EC of the European Parliament and the Council of the European Union on Waste of Electrical and Electronic Equipment (WEEE) and, in jurisdictions adopting that Directive, is marked as being put on the market after August 13, 2005, and should not be disposed of as unsorted municipal/public waste. Please utilise your local WEEE collection facilities in the disposition and otherwise observe all applicable requirements. For further information on the requirements regarding the disposition of this product in other languages please visit [www.designersystems.co.uk](http://www.designersystems.co.uk)

### Declaration of Conformity

**Apparatus name / model number** MARP-WRC

**Conformity via** Generic Standard EN50081-1  
Generic Standard EN50082-1

**Conformity criteria** For use only within commercial, residential and light industrial applications

**We certify that the apparatus identified above conforms to the requirements of Council Directive 89/336/EEC & 73/23/EEC**

**Signed.**

**Date** 4/5/06

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**Manufacturer** Designer Systems, 15 Andrew Place, Truro, Cornwall  
TR1 3HZ, United Kingdom

**Description of apparatus** DVD control device

Having made this declaration the CE mark is affixed to this product, its packaging, manual or warranty.

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Page 4 of 4 V1.00

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