

THE RECORD PLAYER

Tempo Precision Motor Drive



o
p
m
e
t

User Manual



VERTERE™

version 1.3

User Manual

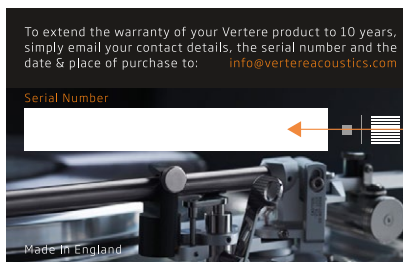
Introduction

Thank you for your purchase of the Tempo Precision Record Player Motor Drive. Please study these instructions carefully. Your Tempo motor drive is designed and manufactured to the highest standards and its correct installation will greatly enhance the sound quality of your record playing system rewarding you with many years of listening pleasure.

Guarantee

Your Vertere Tempo motor drive is guaranteed against any defect in materials and workmanship for a period of two years from the date of purchase. You can extend this period to **ten years** by registering your warranty on the Vertere website - vertereacoustics.com

Make a note of the serial number(s) on your warranty card for future reference - please retain the card



Serial Number(s)

This guarantee excludes:

1. Damage caused due to accident, misuse, neglect and incorrect installation, adjustment or repair.
2. General wear & tear.
3. Liability for damage or loss during transit from the retailer or purchaser to Vertere or its authorised distributor for the purposes of repair or inspection.

Carriage costs to Vertere shall be borne by the consignor.

All claims under this guarantee must be made through an authorised Vertere retailer. If equipment returned for repair to Vertere is found on inspection to comply with the product specification Vertere reserves the right to make a charge for examination and return carriage.

There are no user serviceable parts inside your motor drive.

Unauthorised servicing will void this guarantee.

10
YEAR
WARRANTY

This product is designed to comply with:

Electromagnetic Compatibility Directive 2004/108/EC

Restriction of Hazardous Substances (RoHS2) Directive 2011/65/EU

Waste of Electrical and Electronic Equipment Directive 2012/19/EC

This product bears the CE & UKCA mark

CE UK
CA

Standards applied are those which were in force at the time of the introduction of this product.

Please ensure that other equipment connected to it is earthed according to the manufacturer's instructions.

Products that display the crossed-out wheeled bin logo cannot be disposed of as domestic waste.

These products must be disposed of at facilities capable of re-cycling them and appropriately handling any waste by-products.

Contact your local authority for details of the nearest such facility. Appropriate recycling and waste disposal helps conserve resources and protects the environment from contamination.

Maintenance

After disconnecting the unit from the mains or its dedicated power supply, the unit may be cleaned with a lightly dampened soft cloth or chamois leather.

Avoid use of abrasives or solvents.

User Manual

Rear Panel Connections



- 1 Motor Drive Output Socket
ONLY connect using the Vertere supplied Tempo Motor Link Cable
- 2 DC Power Input Socket
ONLY connect to the Vertere supplied DC Power Supply
- 2a Power Indicator LED
On when DC Power is connected
- 3 Optional Earthing Point
Connect to a suitable earth terminal **ONLY** if necessary

Front Panel Operation & Indicators

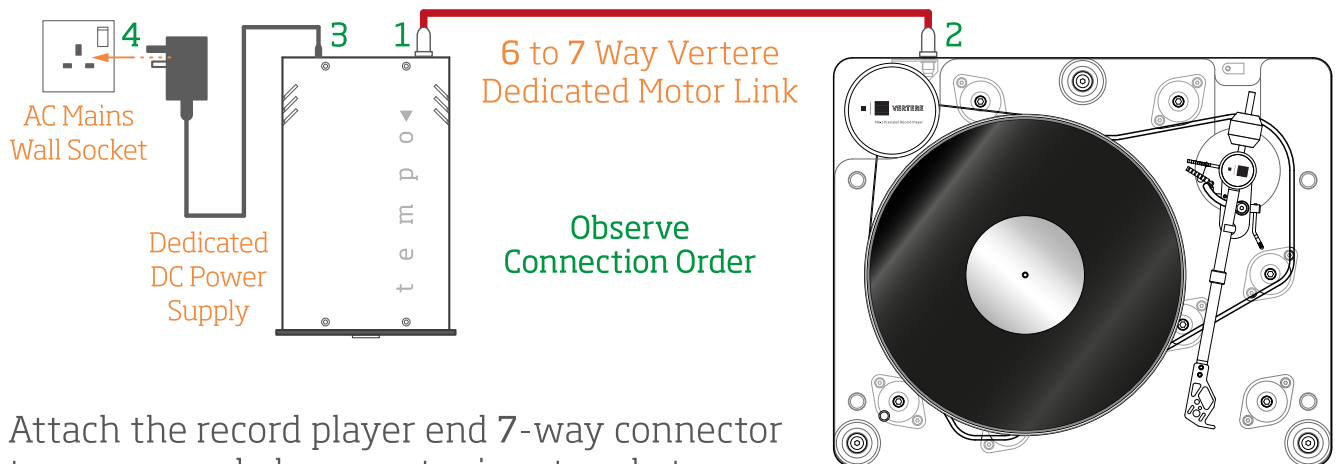


- 5 Mode Indicator LED
Programmable using the Mode/Speed Button
- 6 Mode & Speed Selector Button
- 7 Speed Indicator LED
Green for 33 rpm & **Red** for 45 rpm

User Manual

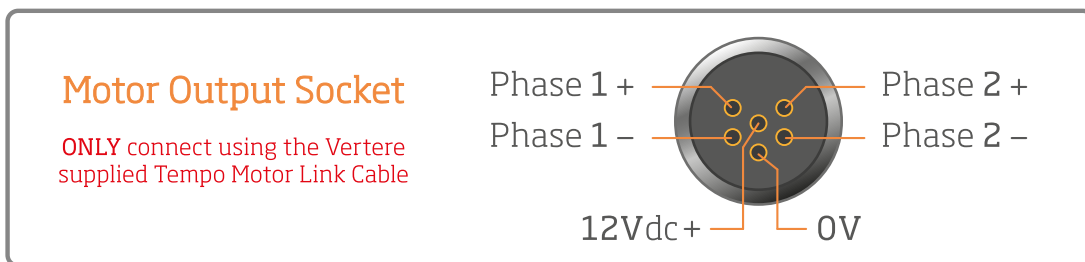
Connecting Motor Drive To Record Player

Carefully attach the supplied dedicated motor link cable to the output socket (1) on the rear of the unit. Observe direction: 6-way to 7-way.



Attach the record player end 7-way connector to your record player motor input socket.

Only applicable to 2021 models onward - record players with 7-way motor power input sockets. Please refer to your record player user manual.



Operation & Speed Control

Plug in the dedicated DC power supply and back panel **Red** LED will illuminate to indicate DC power connection.



Front panel power indicator LED will also illuminate **White**. (Tempo is factory set to Mode 1)



Short press the selector button to select **33** rpm and the Speed indicator LED will illuminate **Green**.



Toggles between **33** & **45**

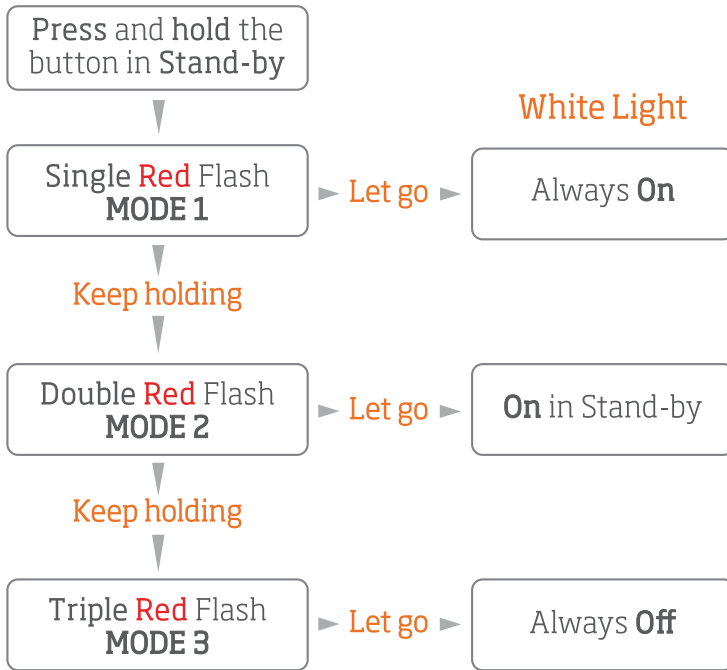
Short press the selector button again to select **45** rpm and the Speed indicator LED will illuminate **Red**.



Press and **hold** the button for **1.5 secs** to stop and the Speed indicator LED will turn off.



White Light Illumination Modes



Upgrades

CHALLENGER

Dedicated DC power supply with AC mains cable.

Replaces the plug-in-wall DC power supply



CHALLENGER

Redline

Dedicated DC power supply with Redline AC mains cable

Specifications

Technology	Microprocessor Controlled & Programmable
Input Power	Dedicated DC Power Supply
Output Drive	Bi-phase Bridged Amplifier
Output	Precision Sine & Cosine Waves
Output Adjustment	33 45 Phase Angle & Level
Output Voltage	17.5 Vac rms (Two Phases)
LED Illumination Output	12Vdc (Fixed)
THD+N	<0.1%
Circuit Shielding	Triple Shielded
Motor Link Cable	Dedicated Two phase + LED Power
Power Consumption	<30 Watts Max.
Dimensions	128 x 215 x 56 (WxDxH)mm

All specifications are liable to change without prior notice. E & OE

Made in England

Motor Noise Adjustment & Fine-tuning

Tempo Precision Motor Drive has adjustment facility to ensure the record player motor is running at its optimum with minimum motor noise/vibration. This procedure is only applicable to motor drives which are supplied on their own as upgrades.

All adjustment and fine-tuning must be carried out by Vertere approved and qualified personnel only.

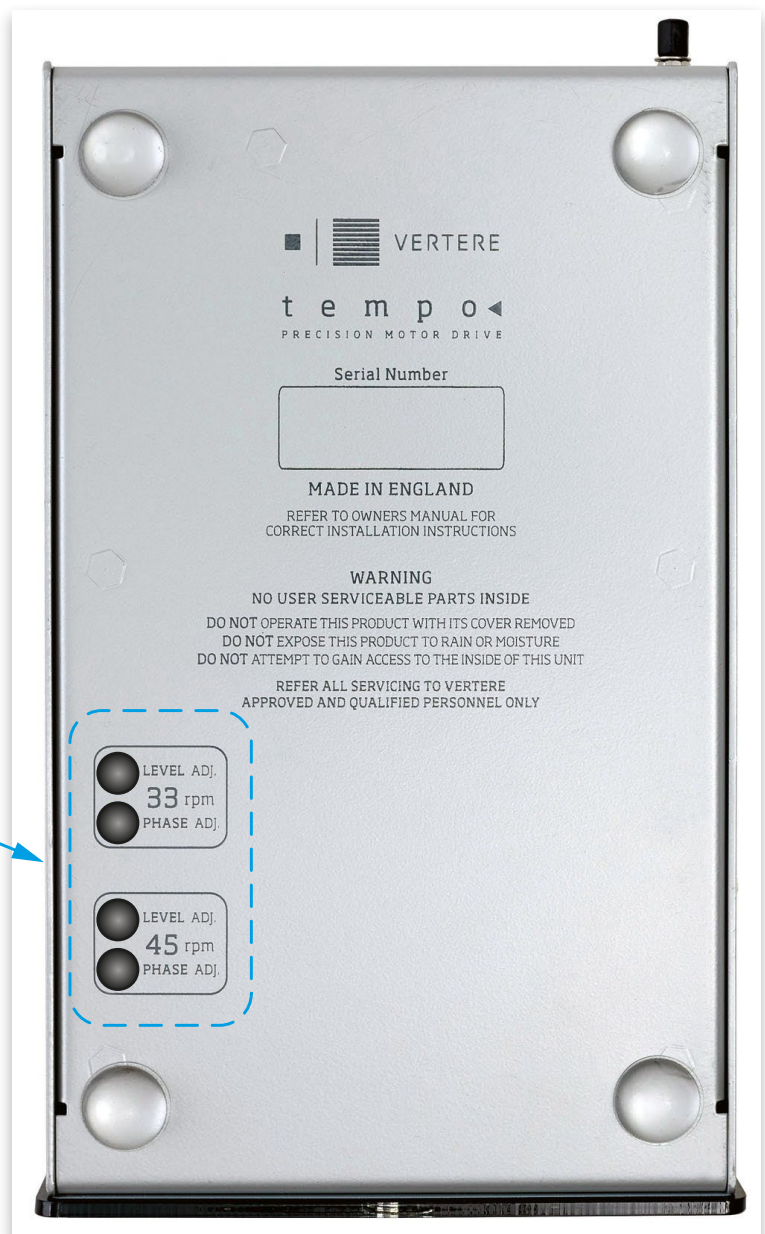
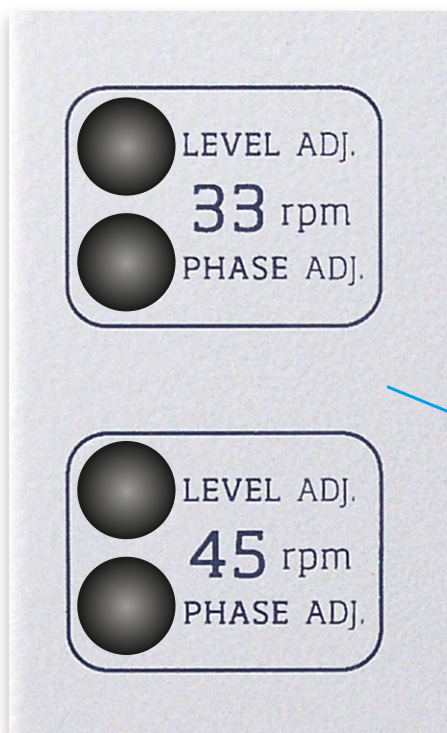
IMPORTANT NOTE:

All Tempo Motor Drives supplied with Vertere record players have already their motor noise factory fine-tuned and thus this procedure **DOES NOT** apply to those.

Adjustment access holes are fitted with blanking plugs.

DO NOT REMOVE THESE PLUGS

Only Vertere approved and qualified personnel should access if any adjustment is required.





VERTERE™

RECORD PLAYING SYSTEMS

RG-1 Reference Groove Record Player
SG-1 Super Groove Record Player
MG-1 MkII Magic Groove Record Player
DG-1S Dynamic Groove Record Player

MOTOR DRIVES

RG-1 Reference Motor Drive
imperium Precision Motor Drive
Tempo Precision Motor Drive

TONEARMS

Vertere Reference Tonearm **New Gen.**
SG-1 PTA HB Tonearm PULSE-HB Internal Wiring
SG-1 PTA Tonearm Standard PULSE Internal Wiring

PHONO CARTRIDGES

Mystic Moving Coil Cartridge
s a b r e HD Moving Magnet Cartridge
Magneto Moving Magnet Cartridge

PHONO PREAMPLIFIER

PHONO-1 MkII L

ANALOGUE INTERCONNECT CABLES

PULSE-HB
PULSE-veRum
PULSE-Redline
D-Fi
RCA, XLR Balanced, DIN & 5-Pin Tonearm

SPEAKER CABLES

PULSE-HB
PULSE-XS Reference
PULSE-XS
PULSE-Redline
7mm, 4mm Banana & Spade - Single Ended Or Bridged Balanced

DIGITAL INTERCONNECT CABLES

PULSE-HB
PULSE-Redline
D-Fi
USB TypeA, TypeB, Mini, Micro, Ethernet RJ45
COAX-75 Ohm RCA & BNC, AES/EBU Balanced XLR

MAINS POWER CABLES & DISTRIBUTION

PULSE-HB, PULSE-HBS & HB MAINS DISTRIBUTION BLOCK
PULSE-Redline
UK, EU, US: IEC & IEC 20A

RECORD PLAYER SUPPORT

STAGE-1 REFERENCE ISOLATION PLATFORM

EQUIPMENT SUPPORT

STAND-1 REFERENCE EQUIPMENT SUPPORT



5 Oliver Business Park Oliver Road London NW10 7JB UK
T +44 (0)20 3176 4888 E info@vertereacoustics.com

Printed In England

All specifications are liable to change without prior notice. E & OE

vertereacoustics.com