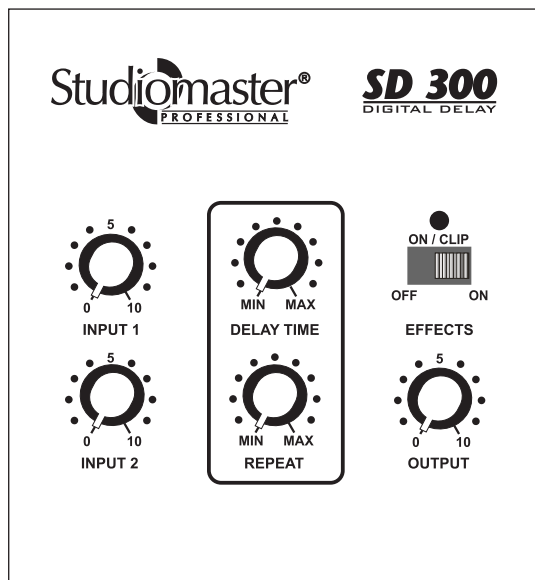


Studiomaster[®]

PROFESSIONAL

SD 300

DIGITAL DELAY



Index:

1.....	Introduction
2.....	Features at a Glance
3.....	Front & Rear Panel Description
4.....	Battery Replacement Guide
5.....	Block Diagram
6.....	System Setup
7.....	Wiring Information
8.....	Product Care Information
9.....	Technical Specifications

1. Introduction

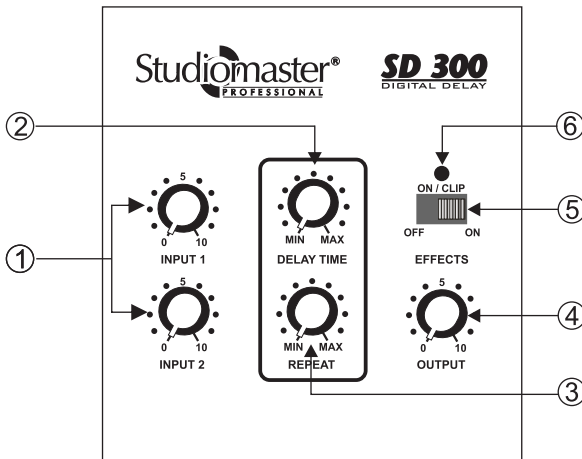
Thank you for purchasing the Studiomaster Professional SD 300 Digital Delay processor. To ensure maximum performance and safety, please follow this instruction manual carefully. Please retain this manual for future reference. For any complaint, feedback or testimonials please contact our distributor / dealer.

2. Feature at a Glance

- High-performance digital delay EFX processor.
- Features 2 x professional-grade 1/4" unbalanced Mic/Line inputs and 1 x output.
- Inputs switchable between Mic and Line.
- Delay time and repeat control for a variety of effect options.
- Individual level controls for the inputs and effect output.
- Convenient effect ON/OFF or bypass switch.
- Works on +12V DC adapter as well as +9V DC battery.
- Elegant look with a compact build size for easy portability.

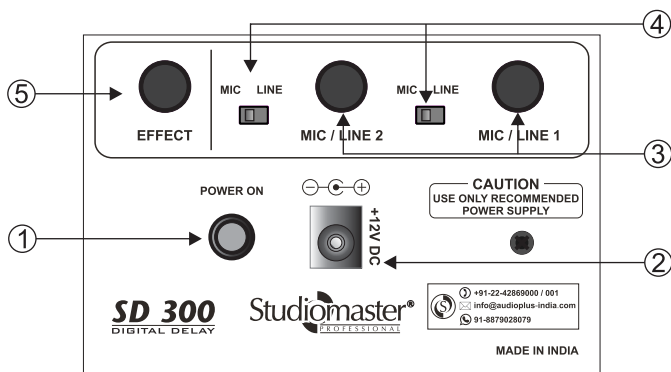
3. Front & Rear Panel Description

Front Panel Description



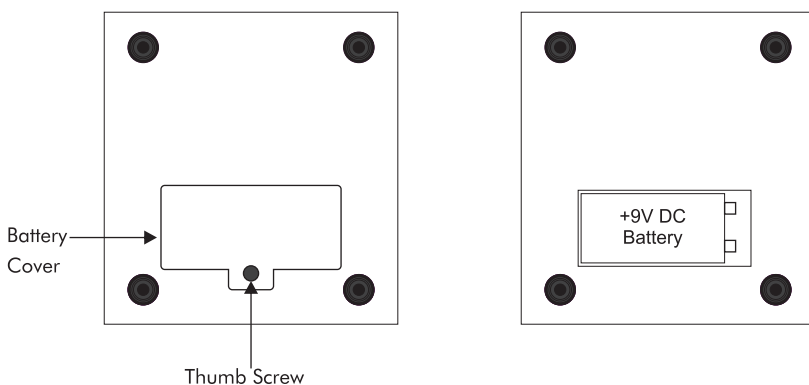
1. **Input Level Control:** To control the input level of the MIC/LINE 1 and MIC/LINE 2 channels. If howling and feedback loop occurs, rotate the input control counter-clockwise to lower the volume.
2. **Delay Time Control:** This control adjusts the delay time. Turning the knob clockwise will increase the delay time.
3. **Repeat Control:** This control adjusts the feedback amount i.e. the number of repetitions of the delayed signal (echo). Turning the knob clockwise increases the number of repetitions. As you adjust the repeat control, oscillations may occur. If this happens, turn the repeat control knob counter-clockwise until the oscillations stop.
4. **Output Control:** To control the output level of the effect output.
5. **Effect ON/OFF Switch:** To switch the effect ON/OFF.
6. **ON / Clip LED:** This bicolor LED is provided for the power on and clip level indication. Initially the Green LED indicates the power on status and it turns RED when the output signal starts to clip.

Rear Panel Description



1. **Power on switch:** To switch the SD 300 ON & OFF.
2. **DC Socket:** This socket accepts +12V DC supply. **Please use only the recommended adapter.**
3. **MIC/LINE Input Jack:** This 1/4" mono jack socket accepts unbalanced MIC and Line level inputs. The input mode depends on the MIC/Line selection switch explained in the next point.
4. **MIC/Line Selection Switch:** This switch is used to select between the MIC and Line mode.
5. **EFFECT Output:** 1/4" Mono Jack socket used for connecting the effect output to the mixer or power amplifier.

4. Battery Replacement Guide



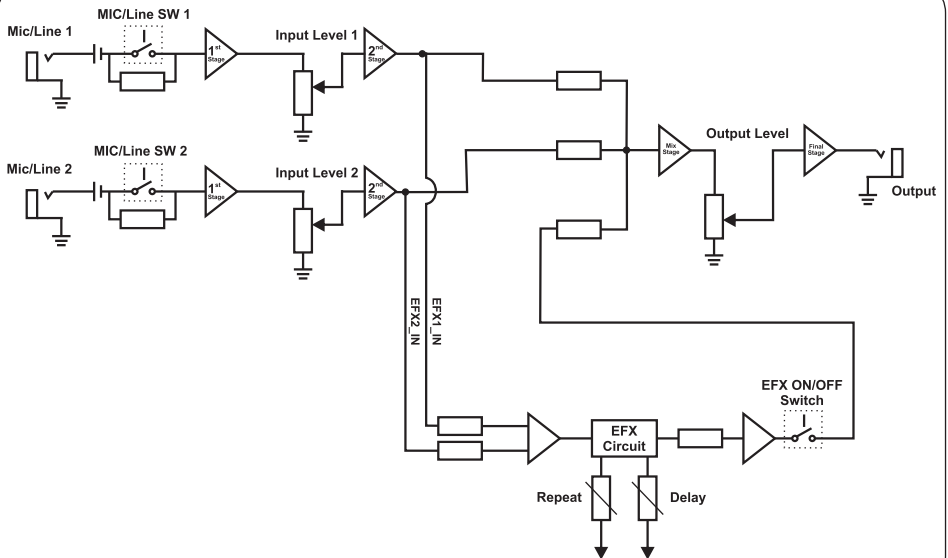
Step 1: Remove the thumb screw.

Step 2: Remove the battery cover.

Step 3: Insert a new battery for better performance.

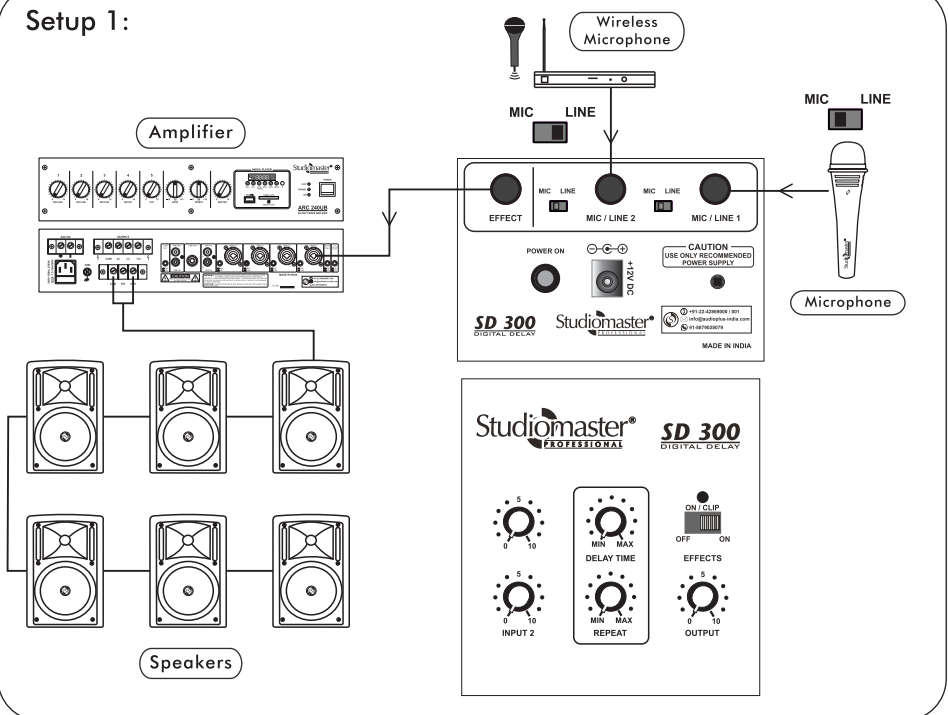
Step 4: Fit the battery cover & fix the thumb screw.

5. Block Diagram

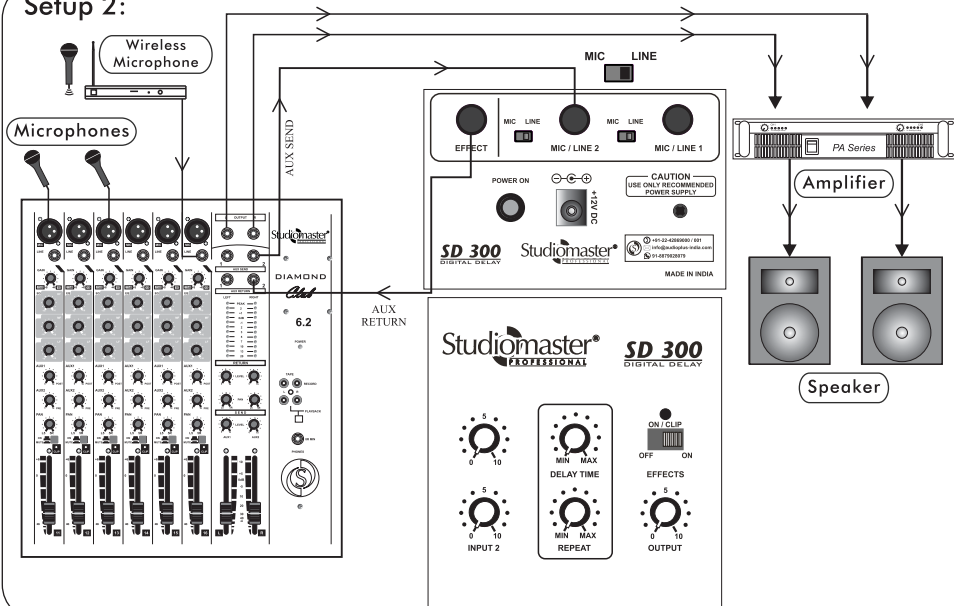


6. System Setup

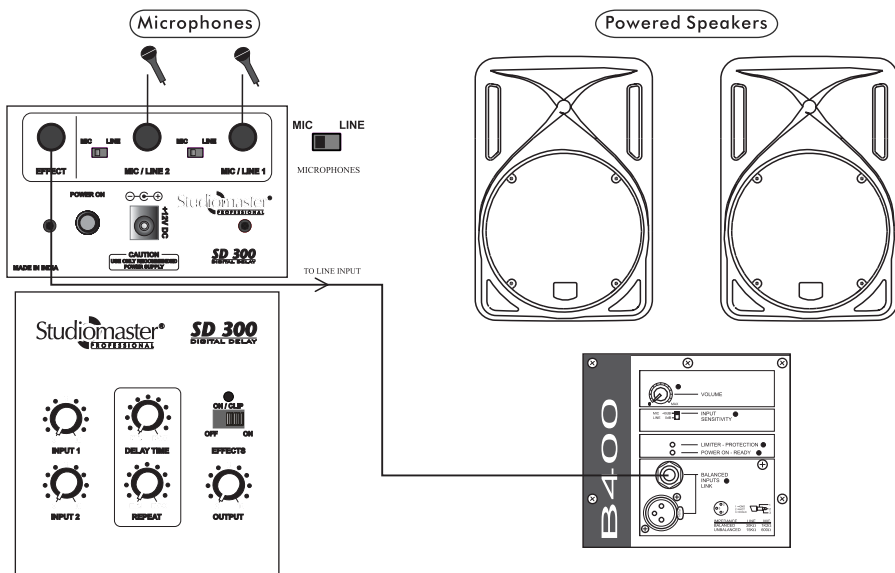
Setup 1:



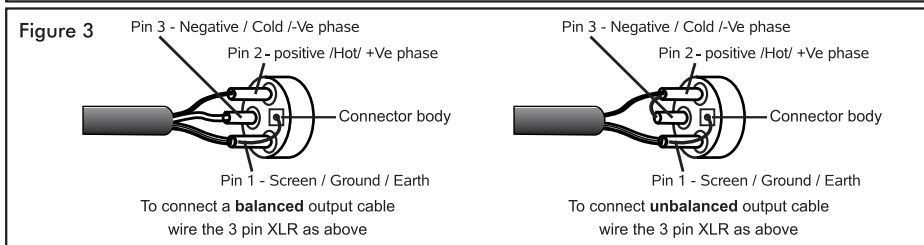
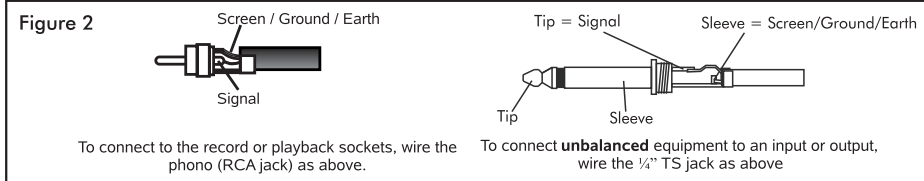
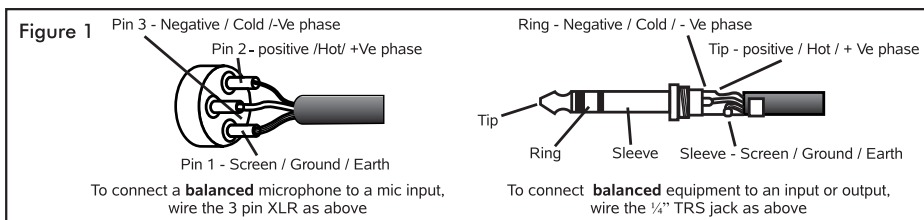
Setup 2:



Setup 3:



7. Wiring Information



WARNING:

If the power plug supplied with this equipment does not suit the power supply socket in your area, please consult the dealer from whom the equipment has been purchased.

Please ensure the use of a correct plug to support appliance's earthing.

8. Product Care Instructions.

- Do not drop the product, this could severely damage it.
- Please keep this product away from direct sunshine and rain.
- Please keep this product away from heavy magnetic or electromagnetic fields, it could affect product performance.
- Please disconnect from the power supply when the product is not being used for a long time.
- Do not open any of the components yourself, for repairs please get in touch with your retailer.
- Please read the instruction manual before using this product.
- Please place the product in a flight case while transportation.

9. Technical Specifications

Model		SD 300
Input Output Levels		
Input / Output Connectors		1/4" Mono Jack
Input Impedance	Mic	> 2.5 K
	Line	> 20 K
Sensitivity	Mic	- 34dB (15.5mV)
	Line	- 3.5dB (518mV)
S/N Ratio	Mic	>65
	Line	>70
THD		0.1%
Frequency Response	Mic	0 dB @ 50Hz - 15kHz
	Line	0 dB @ 50Hz - 20kHz
Crosstalk		>65
Power Supply		+12V DC Adapter
		+9V DC Battery.
Power Consumption		1 W Max.
Current Consumption		55 mA DC Max.
Dimensions (WxDxH)		90 x 93 x 55 mm.
Net Weight (GMS)		400

Range of Studiomaster Professional Products.

Wired Microphones

SM 100XLR
TRIO 100
SM 200XLR
TRIO 200
SM 300I
SM 400XLR
SM 450XLR
SM 500XLR
SM 600XLR
SM 650XLR
SM 800C
SM 900C
SBM 10
Flex 3
Flex 4

Wireless Microphones

BR 28 Series
BR 48 Series
ER 11 Series
ER 31 Series
ER 58 Series
TR 47 Series
XR 20 Series
XR 40 Series
XR 80 Series
XR 100 Series

Conference System

Vak 10 System
Vak 10d / Vak 10c
Vak 20

Crossovers

SX-2
SX-321
SX-341
SX-521

Processors

SEQ 152
SEQ 302F
SEQ 312 / SEQ 341
Multi 3 / Multi 6
SFX 8
SPS 8
SDX 4
Phantom 11
SD 300

Mixers

~ **Cub Series**
CUB 4
CUB 6
CUB 6U

~ **Air Series**

AIR 2
AIR 4
AIR 6
AIR 8
AIR 12
AIR 16
AIR 2U
AIR 4U
AIR 6U
AIR 8U
AIR 12U
AIR 16U

Mixers

AIR Pro 18
AIR Pro 24
AIR Pro 28
AIR Pro 36

~ **Air X Series**

AIR X 10
AIR X 14
AIR X 18

~ **AQUA Series**

Aqua 6
Aqua 8
Aqua 10
Aqua 14

~ **Digital Mixer**

D. Mix 20

~ **Diamond Club Series**

Diamond Club 6.2
Diamond Club 8.2
Diamond Club 8.2 EFX
Diamond Club 12.2
Diamond Club 12.2 EFX
Diamond Club 12.2U
Diamond Club 12.2UX
Diamond Club 16.2
Diamond Club 16.2 EFX

~ **Diamond Supreme Series**

Diamond Supreme 12
Diamond Supreme 12U
Diamond Supreme 16U

~ **Club 2000 Series**

C 142
C 182

~ **Platinum Series**

Platinum 16Fx

~ **Diamond Pro-3 Series**

Pro-3 12.3
Pro-3 16.3

~ **DJ Mixers**

DJX 300
DJX 325
Playmix 300
DJX 825
DJX 925
DJX 975

Amplifiers

~ **P - Series**

PA 1.5
PA 2.0
PA 3.0
PA 4.5
PA 6.0
PA 7.5

~ **DPA Series**

DPA 2000
DPA 3200
DPA 4500
DPA 5000

~ **DJA Series**

DJA 100
DJA 500
DJA 800
DJA 1600
DJA 2500
DJA 3200
DJA 4000
DJA 5000

XJA 2600

~ **Arena Series**

Arena 20
Arena 30

~ **Industrial Amplifier**

ARC 120A
ARC 240A
ARC 120UB
ARC 240UB

Speaker Component

~ **S-Series**

SWF 18120
SWF 18100
SWF 1880
SWF 1560
SMB 1565
SMB 1545
SMB 1530
SMB 1250
SMB 1230
SMB 1220
SHF 0104
SHF 0106
SHF 0210

~ **E-Series**

EMB 1225
EMB 1530
EMB 1535

~ **TITAN Series**

TWF 2115
TWF 1815
TWF 1811
TWF 1810
TWF 1580
TMB 1555
TMB 1535
THF 0208

Passive Speakers

~ **S-Series**

S5225
S8018
S8118
S8128
S8028

~ **Fire Series**

Fire 21
Fire 51
Fire 51A
Fire 55
Fire 57
Fire 82
Fire 84

Passive Speakers

~ **XVP Series**

XVP 1225
XVP 1540
XVP 1540M
XVP 1560
XVP 2250
XVP 2550
XVP 2585
XVP 25A2
XVP 25A6
XVP 1808
XVP 1810
XVP 1812
XVP 2820

~ **ELAN Series**

ELAN 155
ELAN 181

EKS 151

Q 400

Powered Speaker

~ **ARIA Series**

Aria 8
Aria 12
Aria 15

~ **A Series**

A 400
A 500

H 400

H 510

~ **B Series**

B 200
B 400

~ **OP Series**

OP 415
OP 515

~ **SUB Series**

A 12SUB
A 15SUB

Line Array System

FIRE 92
SLA-40 T
SLA-40 Kit
SLA 30
S 9022

Stabilizers

SVC - S1000
SVC - S2000
SVC - S3000
SVC - S5000
SVC - S6000
SVC - S8000
SVC - S10000
SVC - S12000

* Design and specification are subject to change without notice.

Studiomaster® is a registered trademark of Audioplus in India. © Copyright Audioplus, 2008. All rights reserved. Any unauthorised reproduction or use of logos, images or design elements is strictly prohibited by law. No part of the compilation may be reproduced in any manner or translated without written permission.

Brought to you by:
AUDIOPLUS

A1/A2, Giriraj Industrial Estate, Mahakali Caves Road, Andheri (East), Mumbai - 400 093, India
Tel.: 022-42869000 / 001 / Fax: +91-22-26871453 WhatsApp: +91-8879028079
E info@audioplus-india.com W www.audioplus-india.com / www.studiomasterprofessional.com