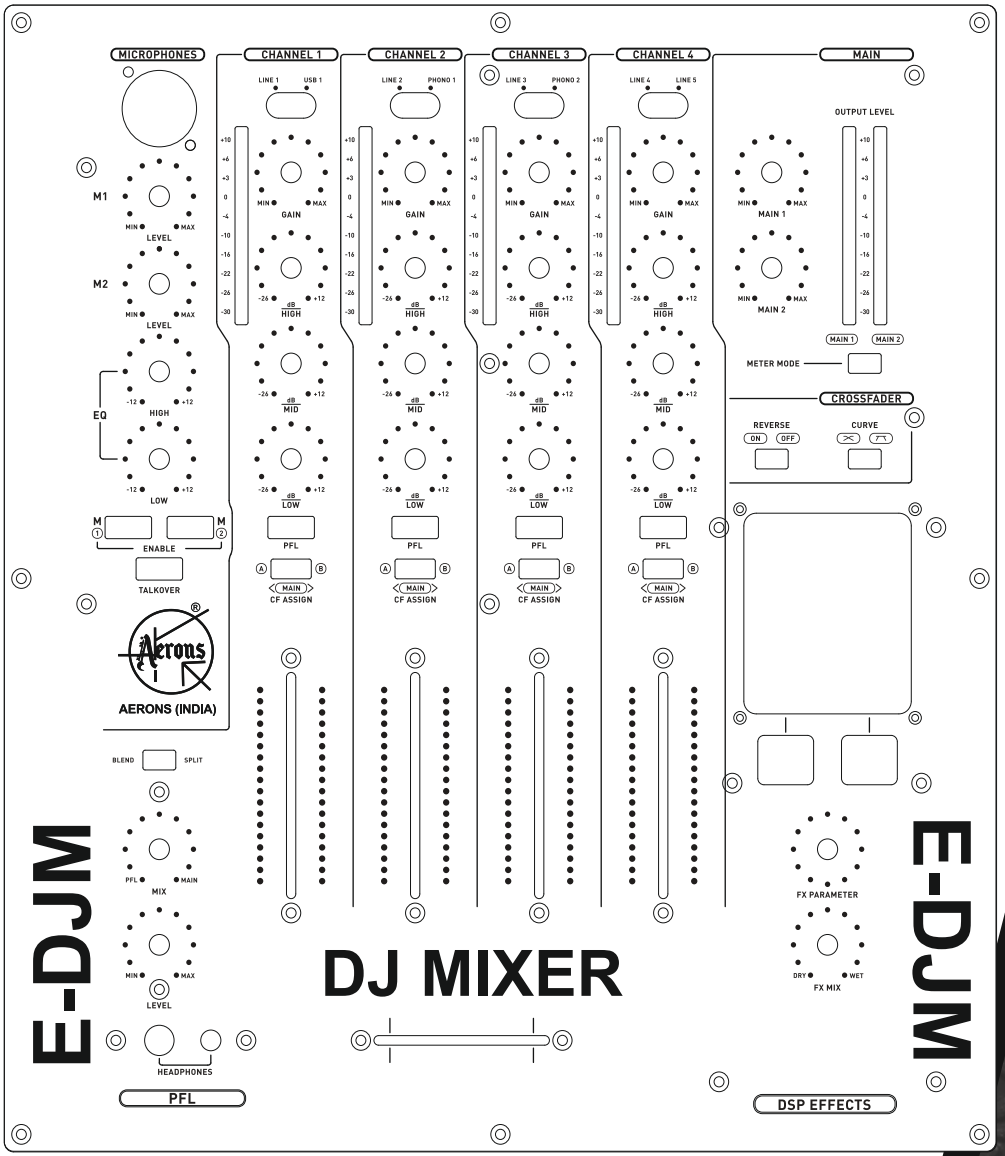
AERONS (INDIA)

# DJ MIXER

# E-DJM




# *USER MANUAL*

## *PROFESSIONAL DJ MIXER*

AERONS INDIA

# DJ MIXER

# E-DJM

# *Safety Instructions*

1. Read these Instructions.
2. Keep these Instructions.
3. Heed all Warnings.
4. Follow all Instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized plug. A polarized plug has two blades with one winder than the other. The wide blade is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. WARNING:To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
16. Where an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
17. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
18. No naked flame sources, such as lighted candles, should be placed on the apparatus.
19. The apparatus should be used in moderate climate.
20. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

**WARNING**
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

**CAUTION:**
To reduce the risk of electric shock, do not remove any cover. No user-serviceable parts inside.
Refer servicing to qualified service personnel only.

The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the use to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.

**CAUTION**
To prevent electric shock, do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

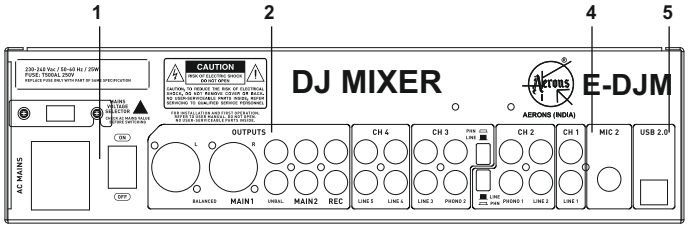
# AERONS INDIA

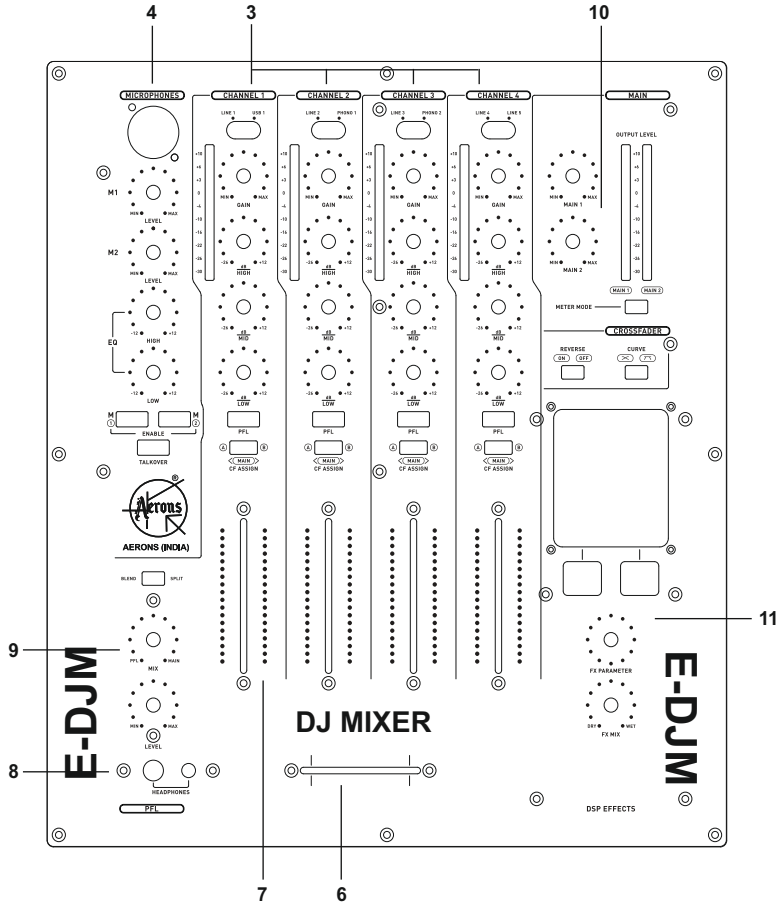
## *Features*

The E-DJM is a professional DJ mixer that combines all essential features required by a discerning DJ. It features 4 stereo channels and two microphone inputs in an industry-standard layout. A comprehensive pfl section (with PFL/Main mix and Blend/Split option) allows to easily line up tracks for replay. It also features a studio-grade USB 4-deck sound card with 24-Bit/96kHz converters and low latency ASIO drivers, thus integrating it perfectly into a DVS (digital vinyl system).
The E-DJM includes a digital effects processor which can add 18 different effects which can create parallel effects to the input channels as well as serial effects for the master signal. Effects can be synchronized to the music tempo by the auto-BPM counter, thus providing the most creative and intuitive approach to correct effect timing. With it's sturdy construction and advanced feature set, the E-DJM is easily one of the best Club DJ mixers available.

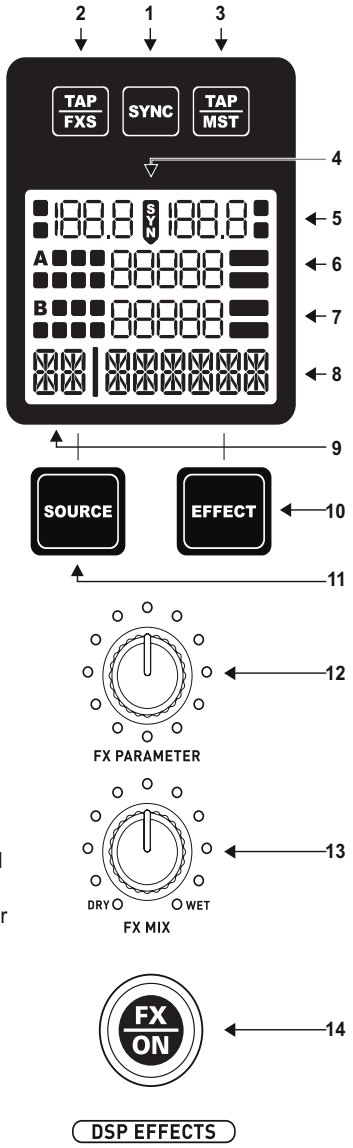
## *Rear and top Panel Features*

1. Power On / Off switch, AC-In (with Internal wide-voltage swing linearpower supply for excellent audio dynamics ) and AC mains voltage selector switch 115/230V
2. 1 x Balanced (XLR), 2 x unbalanced main outputs and 1 x Unbalanced record output
3. 4 multi-source stereo inputs (2 x Phono (Line)/Line/USB), with gain control,3-band Kill-EQ (+12/-26dB) and 10-LED level meter
4. 2 x Mic inputs (1x Combo/1x TRS connector with level control, mutual 2-band EQ, individual "on air" switches and manual talk-over
5. 4-deck multichannel USB 2.0 soundcard with low-latency ASIO drivers and 24Bit/96kHz studio-grade converters
6. Fully assignable 45mm smooth dual-rail crossfader, front detachable/ exchangeable, with switchable steep/ flat transition curve, reverse switch and Internal preparation for InnoFader™ refit
7. Smooth dual-rail 60mm channel input faders
8. High-power dual headphone output (6.35+3.5mm TRS)
9. PFL section with PFL/Main mix and Blend/Split option
10. Master section with two separately controllable outputs and assignable dual 10-LED level meter
11. DSP effects processor for the main output (serial & parallel effects): Flanger | Phaser | Chorus | Hp-Filter | Lp-Filter | Gate / Stutter | Panner | Pitch Shifter | Vocoder | Lo Fi | Hall-Reverb | Gated Reverb | Reverse | Single Delay | MultiTap Delay | PingPong Delay | +2 Detuned | Sub Synth-One parameter and mix ratio settable for effects
    -Dual (Main/PFL) Auto-BPM with effects synchronization
    -LED display for effects processor



# *FX - User Interface*




1. SYNC button. Pressing the SYNC button synchronizes the effects time base with the BPM value of the effects source chosen via (11) and displayed in the relative display section (9). This means if the chosen source is any of the input signals (indicator 9 shows “Cx” or “MC”), the BPM value from the left area of the BPM display section (5) will be used, if the chosen source is the master signal (indicator 9 shows “OP”), the BPM value from the right area of the BPM display section (5) will be used. Whether the SYNC function is on or off it is displayed via the indicator (4).
2. TAP BPM button for the effect source time base. Tapping along with the music on this button for at least 4 taps switches the internal BPM counter to manual mode, indicated by the symbol “M” in the left BPM display section (5). The longer the user taps, the more precise the result will be. The manual mode is useful if the internal automatic BPM counter’s result is not precise enough. After stopping to tap, the result will become permament and will be displayed in the left section of the BPM display (5). To derive a new result manually, just start tapping again. To derive a new result automatically, press this button only once when being in manual mode, and the BPM counter returns to the automatic mode, indicated by the symbol “A” in the left BPM display section (5). On startup, the unit is by default in automatic mode, and will analyze the SOURCE signal chosen by (11) and displayed in (9). The tap button’s backlight will flash in the speed of the derived BPM value.
3. TAP BPM button for the master signal time base.The function is the same as (2), but the analyzed signal is fixed to be the master signal.
4. SYNC Indicator. Indicates whether the effect is synchronized to the displayed BPM value (indicator on), or not (indicator off), determined via the button (1). Synchronization may be set to fractions or multiples via the control (12), with the setting being displayed in the left section of the parameter displays (6, 7).
5. BPM DISPLAY section. This section of the display contains two identical areas left and right, each containing a numerical display for the BPM value, and a toggling “A” | “M” indicator to show whether the relative BPM counter is in manual or automatic mode. The left area of this section displays the BPM counter status for the chosen effects source and is controlled by the button (2), the right area of this section displays the BPM counter status for the master signal and is controlled by the button (3).
6/7. PARAMETER DISPLAY section. Every effect chosen by the effects selector (10) and displayed in the display section (8), is editable in one or more parameters, which are displayed in the PARAMETER A (6) and PARAMETER B (7) display sections, and which can be adjusted in their value by the parameter control (12) for PARAMETER A and the MIX/Intensity control (13) for PARAMETER B. Depending on the parameter, it is indicated whether the parameter is a time parameter (indicator “TIME” on) or an intensity parameter (indicator ”INTS” on). Once choosing an effect via the effects selector (10), the PARAMETER A display section (6) and the PARAMETER B display section (7) will show the following: If the parameter is a time parameter, and SYNC is off (control 1 and indicator 4), the value of the editable parameter is shown in the numerical field of sections (6) and (7). If the parameter is a time parameter, and SYNC is on (control 1 and indicator 4), the multiplier/fraction to the base BPM of the selected effects source is indicated by the symbols “1/8”, “1/4”, “1/2”, “1”, “2”, “4”, “8”, each representing a respective fraction or multiple of the time base. If the parameter is an intensity parameter, the SYNC status does not matter and the value of the editable parameter is shown in the numerical field of sections (6) and (7).
8. EFFECT ALGORITHM indicator. The effect chosen via the button (10) is displayed here.
9. EFFECT SOURCE indicator. The effect source chosen via button (11) is displayed here in an abbreviated manner (MC = microphone, Cx = Channel X, OP = Master Output).
10. EFFECT SELECTOR button. Pressing this button subsequently activates the available effect algorithms, and determines which parameters are displayed in the PARAMETER DISPLAY A&B section (6&7), and are adjustable via the parameter controls (12&13). The active algorithm is displayed in the EFFECT ALGORITHM indicator (8). See table at the end of this chapter for available effects and their editable parameters. Note that the available effects are different for input signals and the master output signals, hence the available choices will depend on the SOURCE SELECTOR setting (9 & 11).
11. SOURCE SELECTOR button. Pressing this button subsequently activates the available effect sources. The chosen source is displayed in the EFFECT SOURCE indicator section (9).
12. PARAMETER control. This is an “endless” relative control, and allows to change PARAMETER A of the active effect. Once the control is turned, the current value of the parameter displayed in the PARAMETER DISPLAY section (6) will change. The change will be stored even if the chosen effect is changed. See table at the end of this chapter for available effects and their editable parameters.
13. FX MIX/INTENSITY control. This is a 300 degree absolute control and allows to change PARAMETER B of the active effect. Once the control is turned, the current value of the parameter displayed in the PARAMETER DISPLAY section (7) will change. The change will be stored even if the chosen effect is changed. See table at the end of this chapter for available effects and their editable paramaters.
14. FX ON button. Enables the active effects (backlight on) or disables the current effect (backlight off).

## *Details FX (en)*

| | | | | Parameter A (ENC) | | Parameter B (POT) | |
|---|---|---|---|---|---|---|---|
| Display | Effect | Type | BPM Parameter | Parameter | Display | Parameter | Display |
| FLANGE | Comb Filter 1 | Serial | LFO rate speed | Manual LFO Rate Speed | TIME | Sweep width | INTS |
| PHASER | Comb Filter 2 | Serial | LFO rate speed | Manual LFO Rate Speed | TIME | Sweep width | INTS |
| CHORUS | Comb Filter 3 | Serial | LFO rate speed | Manual LFO Rate Speed | TIME | Sweep width | INTS |
| HP-FL | Sweeping HP Filter | Serial | Sweep speed | Cut-off frequency | INTS | Resonance | INTS |
| LP-FIL | Sweeping LP Filter | Serial | Sweep speed | Cut-off frequency | INTS | Resonance | INTS |
| GA-STU | Auto-Gate / Stutter | Serial | Sweep speed | Manual Gating speed | TIME | Damping @gated | INTS |
| PANNER | Auto-Pan | Serial | Panning speed | Manual Gating speed | TIME | Damping depth | INTS |
| P-SHIF | Pitch shift | Serial | none | Shift from -16% to +16% | INTS | None | INTS |
| VOCODE | Square-wave | Serial | none | Pitch | INTS | Mix Level | INTS |
| LOW-FI | Crackle + Bandpass | Serial | none | Bandpass width | INTS | Crackle amount | INTS |
| HA_REV | Hall Reverb | Parallel | none | Decay Time | TIME | Mix Level | INTS |
| GT-REV | Gated Reverb | Parallel | none | Gating Time | TIME | Mix Level | INTS |
| RE-REV | Reverse | Parallel | none | Rise time | TIME | Mix Level | INTS |
| SI_DEL | Single Delay | Parallel | Delay time | Manual Delay Time | TIME | Mix Level | INTS |
| MT_DEL | MultiTap Delay | Parallel | Delay time | Manual Delay Time | TIME | Mix Level | INTS |
| PP_DEL | Ping-Pong Delay | Parallel | Delay time | Manual Delay Time | TIME | Mix Level | INTS |
| PHATER | +2 detuned | Parallel | none | Detune | INTS | Mix Level | INTS |
| SUBSYN | Sub Synth | Parallel | none | Frequency | INTS | Mix Level | INTS |

## *Details FX (en)*

| | |
|---|---|
| Signal/Noise | > 82dB (Line) |
| Crosstalk Damping | > 65dB (Line) |
| THD | < 0.05% (Line) |
| Frequency response | 20Hz – 20 kHz |
| AC IN (EU setting) | AC220-250V~ 50Hz |
| AC IN (US setting) | AC110-130V~ 60Hz |
| Power consumption | max. 25W |
| Dimensions | W320xH360xD104mm |
| Weight | 4.8kg |

# NOTES

**For further Details, Please Contact:**

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To improve the Quality & Performance of the Product, the Specifications & design can be changed without prior notice.

# AERONS (INDIA)

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