General Guitar Gadgets

Direct Box - Active, Isolated
Unbalanced Input to Balanced Output

9v
D1 1N914
DC Power
J3

+ C17 +9v
47uF

R21 10k
4.5v
+ C18
47uF

+ 9v
B1

R22 10k

J2 - A3M XLR Jack Pins:
Pin 1 - Ground
Pin 2 - Positive (hot) (non-inverted)
Pin 3 - Negative (cold) (inverted)

C/R5
C/R13
100pF

C4
C12
R8
R16

R4
R12
20k log

+9v

C/R1
C/R9
C/R2
C/R10

10uF
1k

4.5v

Input
J1

Jumper
+ 10uF
C3
C11

IC1a
NE5532
2 6 -
3 5 +
8 1
7
4

10pF

150k
R3
R11

4.5v

C/R6
C/R14
C/R7
C/R15

+ 10uF Jumper

R25
R26
4k7

Audio Transformer
T1

42TM016
600 ohm : 600 ohm

Polarity
Sw1
DPDT

Balanced Output
J2
2   1
3
(Male Jack)

Ground Lift
Sw2