The project goal is to take the original "Tube Buffered Gainclone" to the next level.

Easy available parts are chosen with room for special ones if space is available. The new parts in the design is made by Per-Anders Sjöström with Joe Rasmussen as a mentor and speaking partner.

The new idea is to have one tube for both channels or using two tubes forming a White Cathode Follower creating an exceptional performance.
The amp can be configured as an inverting or non-inverting.

Output offset adjustment

Isolation against capacitive loads.

Frequency compensation of the output stage.

The amp is muted during tube heating.

Option to use a big cap or many small ones.

Value adjusted for 35 V supply voltage
Lower value for lower supply voltage.
The amp can be configured as an inverting or non-inverting.

Output offset adjustment

The amp is muted during tube heating.

Delay_Collector
Delay_Emitter

Value adjusted for 35 V supply voltage
Lower value for lower supply voltage.

Isolation against capacitive loads.
Frequency compensation of the output stage.

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Title

SST-03
Sheet of

The LM3886 amplifier

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Original design by Joe Rasmussen  http://customanlogue.com © 2012 Per-Anders Sjöström  http://sjostromaudio.com This document may not be uploaded anywhere without a written permission from Per-Anders Sjöström

Variant name
[No Variations]
Cathode follower with a tube current source.

Only with all tube buffer

Constant current source, cathode follower.
High output impedance, very stable and low power.

High output impedance, very stable and low load.

Variant name
[No Variations]
Decoupling on the all tube buffer schematics

Advanced current source

Simple current source

-60V tube
Decoupling on the all tube buffer schematics
Anode

Input Filtered

Buffered Signal

For the White Cathode Follower

Tube current source

See special instructions
Connection of the heater.
Used together with opamp buffer

Used together with opamp buffer

Used together with opamp buffer