



**DELANO**  
pickup systems



INSTALLATION GUIDE

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**Dear Customer,**

We are pleased that you have selected one of our products, and are sure it is the right decision if you value uncompromising sonic performance of your instrument. Delano products combine highest quality materials with an experience in building pickups and electronic circuits for musical instruments of over 30 years. As a result you receive a fine piece of craftsmanship containing outstanding features and modern improvements developed and manufactured by our small team of experts. As an owner of a Delano product you can be self-assured in the knowledge that you have the finest available.

This small brochure contains all required information for the installation of the enclosed Delano products, so please read the following instructions carefully. If you need more information please contact your authorized Delano dealer or get in touch with us directly.

Delano Pickup Systems, April 2018

A handwritten signature in black ink, appearing to read 'R. Jedamzik'. The signature is fluid and cursive, with a large initial 'R' and a stylized 'J'.

Reinhard Jedamzik

**Your notes:**

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## Pickup mounting

For DELANO PC series pickups and DELANO The Xtender D series pickups

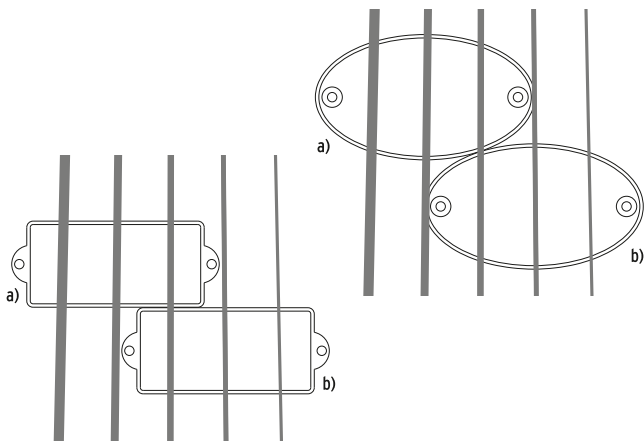
### Mounting of Delano two-section pickups

4-string bass: Every section is centered under the outer 2 strings.

- section a) is centered under the E-A strings
- section b) is centered under the D-G strings

5-string bass: Every section is centered under the outer 3 strings.

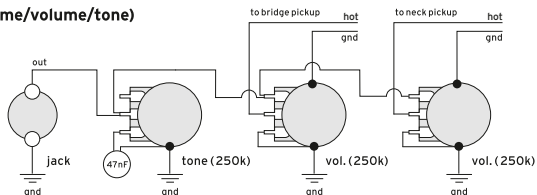
- section a) is centered under the B-E-A strings
- section b) is centered under the A-D-G strings



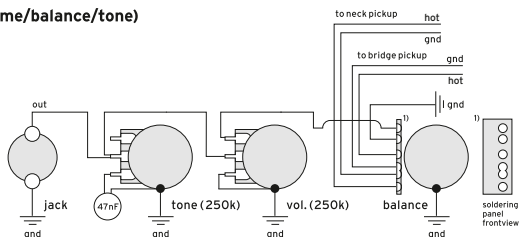
## 2-conductor cable wiring

For DELANO 2-conductor wired vintage pickups in passive operation

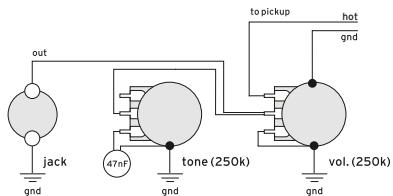
### 2 pickups (volume/volume/tone)



### 2 pickups (volume/balance/tone)



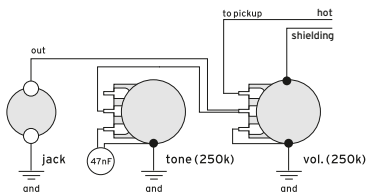
### 1 pickup (volume/tone)



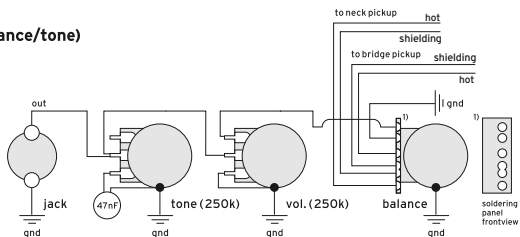
## Shielded 1-conductor cable wiring

For DELANO shielded 1-conductor wired pickups

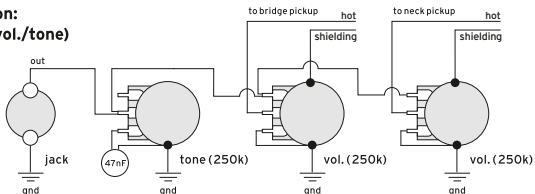
**passive operation:  
1 pickup (vol./tone)**



**passive operation:  
2 pickups (vol./balance/tone)**



**passive operation:  
2 pickups (vol./vol./tone)**



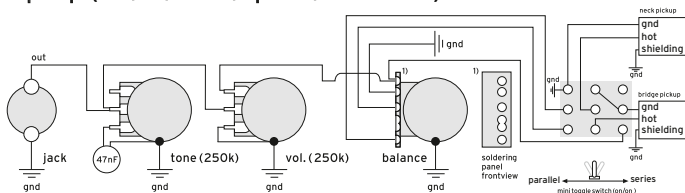
## Shielded 2-conductor cable wiring

For DELANO shielded 2-conductor wired pickups

The colors of DELANO wires are white = hot, black = gnd  
gray = shielding

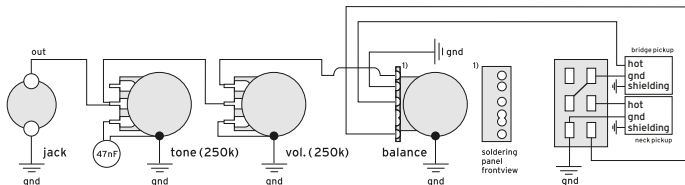
**additional series operation:**

**2 pickups (tone/vol./balance/3-pole on/on mini switch)**



**additional series operation:**

**2 pickups (tone/vol./balance\*/2-pole on/on mini switch or: push-pull pot. (on/on))**



1) Balance pot must be in center position for series operation.

If a push-pull potentiometer is in use

- push position is: parallel
- pull position is: in series



## 4-conductor cable wiring

### For DELANO 4-conductor wired pickups

The colors of DELANO wires are white, green, brown, yellow, ground (gnd)  
(These diagrams do NOT provide „TheHybrid“ pickup installation)

#### series / single coil\*

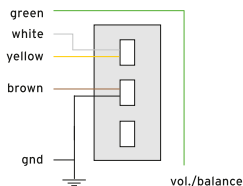
mini toggle switch (on/on)

##### series:

green = hot out  
brown = gnd  
white, yellow (connect)

##### single coil:

green = hot out  
white, brown, yellow = gnd



\*) This diagram causes **series (cross coils in series)** switching with SBC HE/S-4 type pickups.

#### series / single coil / parallel\*

mini toggle switch (on/on/on)

##### series:

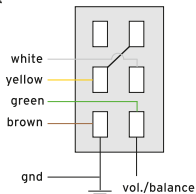
green = hot out  
brown = gnd  
white, yellow (connect)

##### single coil:

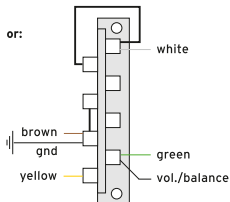
green = hot out  
white, brown, yellow = gnd

##### parallel:

white, green = hot out  
brown, yellow = gnd



or:



\*) This diagram causes **series (cross coils in series)/parallel** switching with SBC HE/S-4 type pickups.

## 4-conductor cable wiring

For DELANO 4-conductor wired pickups

The colors of DELANO wires are white, green, brown, yellow, ground (gnd)  
(These diagrams do NOT provide „TheHybrid“ pickup installation)

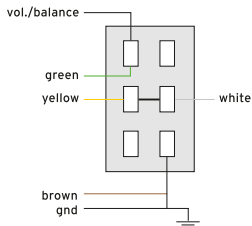
### single coil (rear coil) / series / single coil (front coil)\*

mini toggle switch (on/on/on)

**single coil (front):**  
white = hot out  
brown = gnd  
green, yellow (connect)

**single coil (rear):**  
green = hot out  
white, brown, yellow = gnd

**series:**  
green = hot out  
brown = gnd  
white, yellow (connect)



\*) This diagram causes **series (cross coils in series)/series/reversed (cross coils in series)** switching with **SBC HE/S-4 type pickups**.

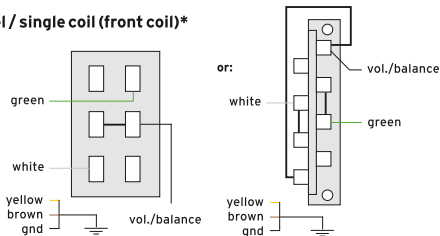
### single coil (rear coil) / parallel / single coil (front coil)\*

mini toggle switch (on/on/on)

**single coil (front):**  
white = hot out  
green, brown, yellow = gnd

**single coil (rear):**  
green = hot out  
white, brown, yellow = gnd

**parallel:**  
white, green = hot out  
brown, yellow = gnd



\*) This diagram causes **series (cross coils in series)/series/reversed (cross coils in series)** switching with **SBC HE/S-4 type pickups**.

## 4-conductor cable wiring

### For DELANO 4-conductor wired pickups

The colors of DELANO wires are white, green, brown, yellow, ground (gnd)  
(These diagrams do NOT provide „TheHybrid“ pickup installation)

#### series / single coil\*

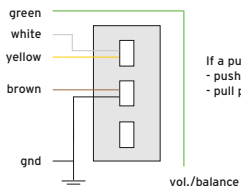
mini toggle switch (on/on)  
or:  
push-pull pot., single-side (on/on)

##### series:

green = hot out  
brown = gnd  
white, yellow (connect)

##### single coil:

green = hot out  
white, brown, yellow = gnd



If a push-pull potentiometer is in use  
- push position is: in series  
- pull position is: single coil

\*) This diagram causes **series (cross coils in series)** switching with **SBC HE/S-4 type pickups**.

#### series / parallel\*

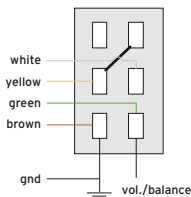
mini toggle switch (on/on)  
or:  
push-pull pot. (on/on)

##### series:

green = hot out  
brown = gnd  
white, yellow (connect)

##### parallel:

white, green = hot out  
brown, yellow = gnd



If a push-pull potentiometer is in use  
- push position is: parallel  
- pull position is: in series

\*) This diagram causes **series (cross coils in series)** switching with **SBC HE/S-4 type pickups**.

## DELANO **THEHYBRID** SERIES

An uncompromising pickup that combines in one single construction the two most legendary sounds in bass history

### **Part 1: J-Bass™**

Single coil bridge pickup with the immortal characteristics of early 60's pickups. AlNiCo 5 magnet coil body made of vulcanized fiber and gauge 42 wire.

### **Part 2: Sting Ray™ Humbucker**

Low resistance neck coil with 9.5 millimeter AlNiCo 5 magnets. Authentic sound guaranteed in this setting too, thanks to the special engineered bridge J-coil: the second MM™-coil is integrated inside.

### **Switching concept:**

The integrated switch manager lets you get both of these great classic sounds at the touch of a toggle, each one reconstructed exactly in its original form with all its strengths and nuances of character: Passive function in single-coil mode, active function with the DELANO SONAR 2- or 3-band EQ activated in Humbucker mode. The internal switching of the pickup is lightning fast, too!

For maximum sound authenticity we recommend the custom neck version of our J™-single coil JC4AL/H or JC5AL/H for the neck position. With both pickups switched on, this JJ-arrangement typically produces a noise-free output.

### **No trouble with treble:**

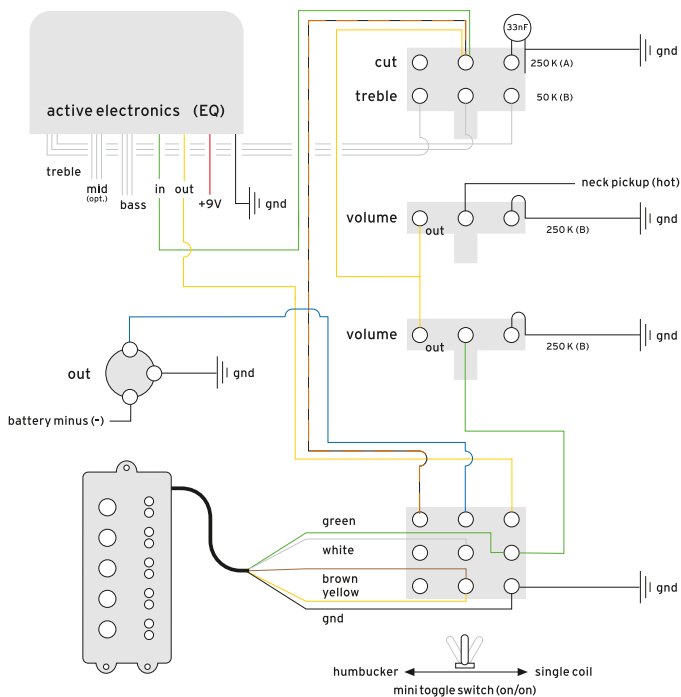
The 'TheHybrid' set includes a specially designed treble pot that works as a typical passive tone control for the J™-sounds in the passive mode and doubles as the active treble EQ in the Sting Ray™ setting. The neutral setting is located conveniently in the middle position; when switching, it's easy to get the basic settings you need.

### **Additional features:**

In the humbucking mode - we call it 'Ray' mode - you're able to combine TheHybrid pickup with the neck pickup, too. This is an additional feature. But take note, that use of the neck side single coil pickup typically causes hum, if driven with the active electronics. To achieve an authentic 'Ray' sound, you should turn the balance knob fully backwards - and so your bass is hum-free.

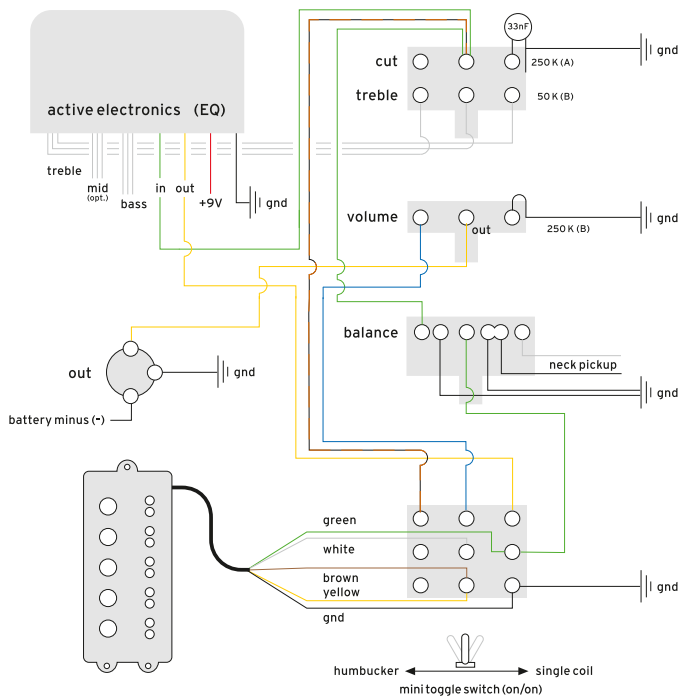
## „TheHybrid“ Series wiring

For 2 pickups & 2 volume pots



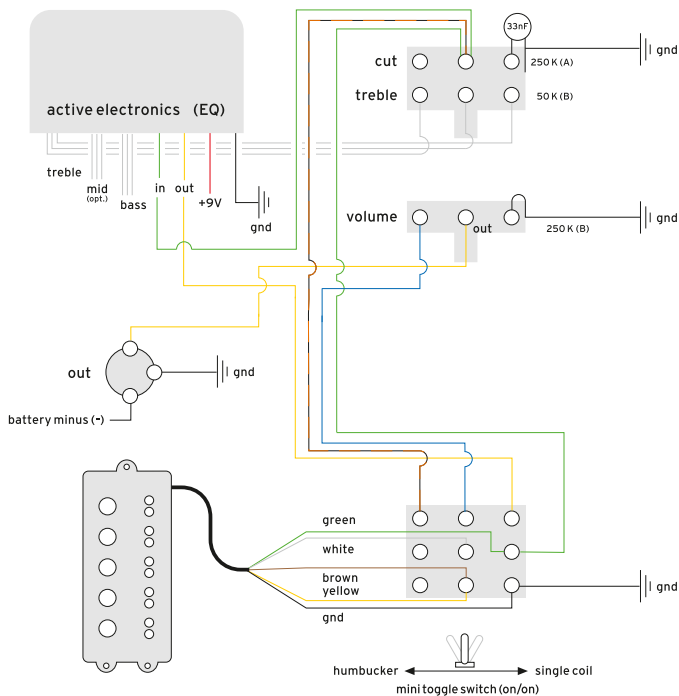
## „TheHybrid“ Series wiring

For 2 pickups, balance- & volume pot



## „TheHybrid“ Series wiring

For 1 pickups & volume pot



## DELANO **SONAR** SERIES

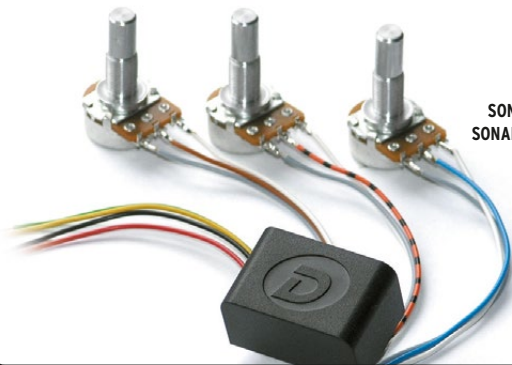
Scaling new heights in perfecting the tonal capabilities of magnetic pickups, the DELANO Sonar bass preamp series is designed for just one purpose:  
Making a good tone even better.

As an integral part of any active bass guitar, an active EQ has to fulfill countless requirements regarding strength and clarity in tone, power consumption and installation. To meet this challenge perfectly, we engineered the onboard preamp: Sonar.

This smart powerhouse delivers the real thing: rocksteady bottom, cutting midrange and naturally brilliant high end. Whether adapting its tone to match the surrounding acoustics, enhancing versatility or increasing your musical expression, this preamp always feels like a natural extension, preserving all the benefits of passive operation: uncoloured, true and focused sound. Comparing the flat-set sound to bypassed full passive action you'll detect no difference. Matchless. And with its perfectly matched band-pass filters and separated amplifier stages, adjustments stay predictable at any time without overpowering tone.

The Delano Sonar onboard preamp is housed in a sealed slim-box, which provides easy, space-saving installation and secure insulation to other electrical components. Its minimal power consumption lets you forget where your battery-box is - make a guess?

Availability:  
**SONAR 2 / 2-Band**  
**SONAR 3 / 3-Band**  
**SONAR 3 MS / 3-Band**  
**SONAR 3 MS/E / 3-Band**

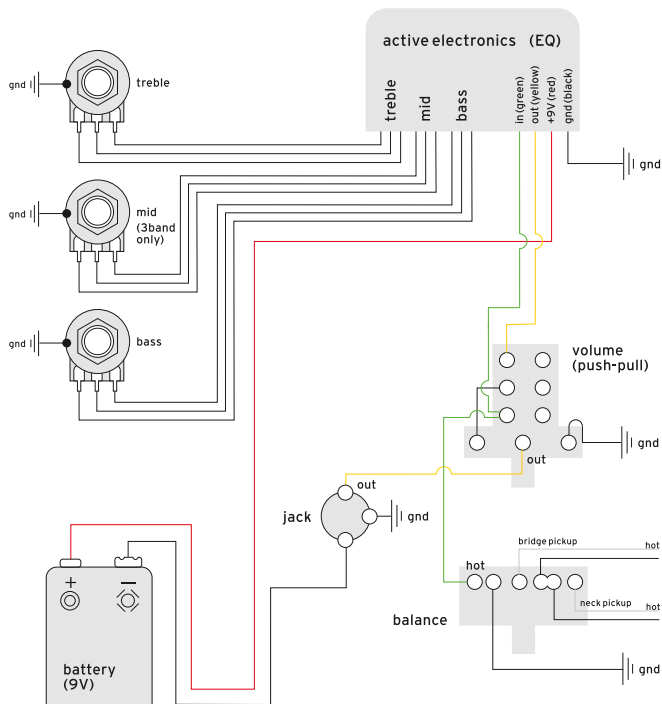




## Active electronics wiring

For SONAR 2 & 3 band EQ

We recommend a proper grounding and shielding of the electronics compartment with DELANO copper foil







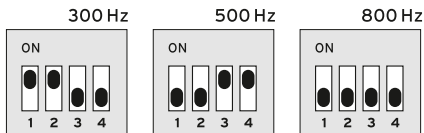
## Active electronics wiring

For SONAR 3 MS & SONAR 3 MS/E EQs

The SONAR 3 MS and 3 MS/E 3band EQs offer the great advantage of selecting different mid frequencies. SONAR 3 MS = mid selection onboard, SONAR 3 MS/E = mid selection with three-position toggle switch

### SONAR 3 MS

Select mid frequencies onboard as follows:

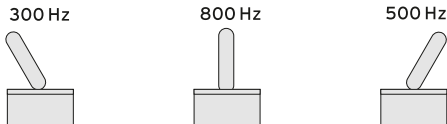


4x 1M Ohm resistors optional  
to prevent switch click



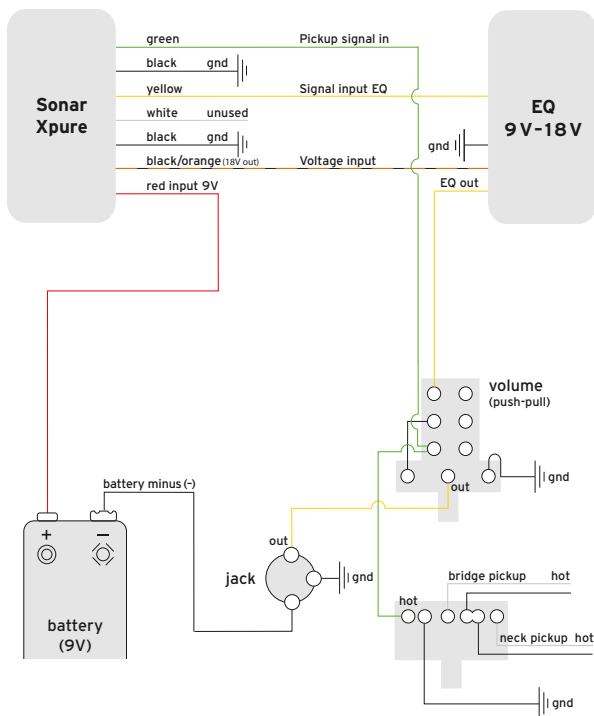
### SONAR 3 MS/E

Select mid frequencies with three-position toggle switch as follows:



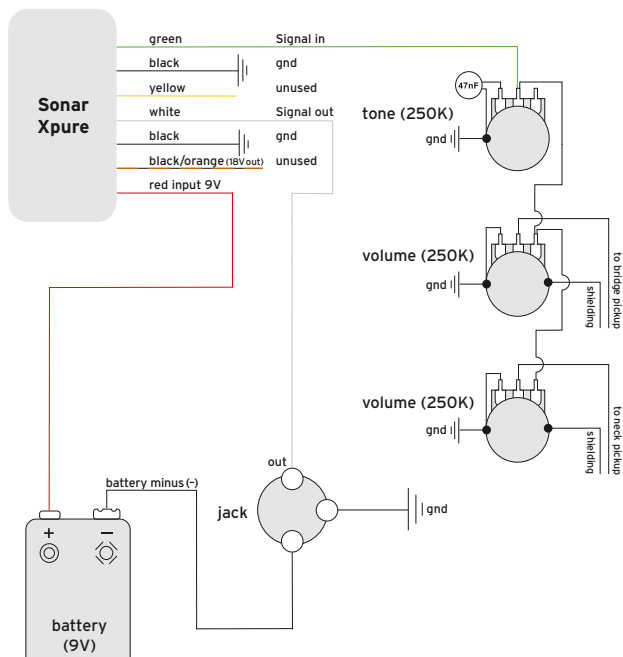
## Sonar Xpure

Wiring as a max. 18Volts power distribution system



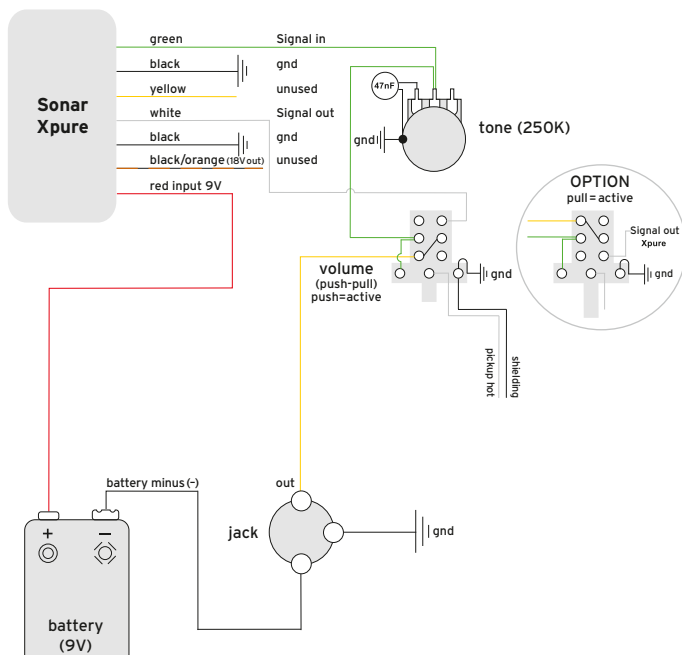
## Sonar Xpure wiring

Preamp with passive tone control  
for 2 pickups & 2 volume pots



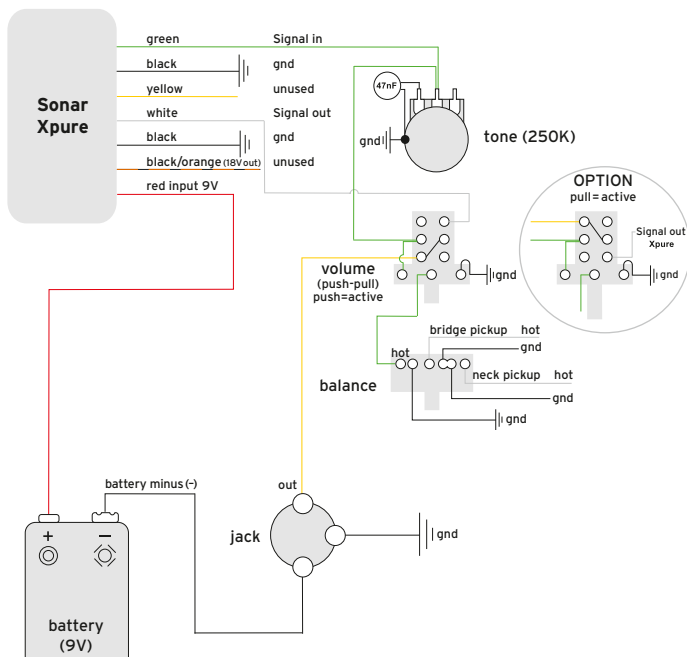
## Sonar Xpure wiring

Preamp with passive tone control  
for 1 pickup & volume push-pull pot  
for active / passive operation



## Sonar Xpure wiring

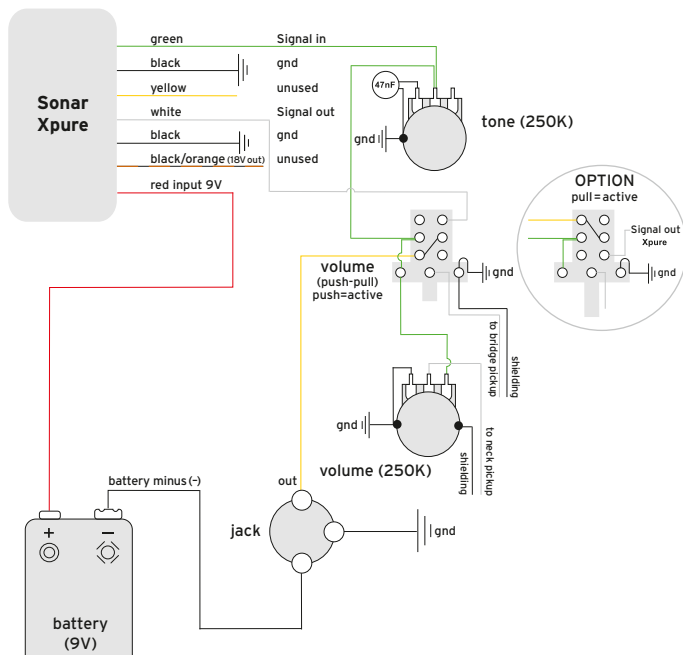
Preamp with passive tone control  
for 2 pickups, balance & volume push-pull pot  
for active / passive operation





## Sonar Xpure wiring

Preamp with passive tone control  
for 2 pickups, volume & volume push-pull pot  
for active / passive operation



## Accessories

DELANO potentiometers come with one nut and one washer.



### Control Pot A 250K

Resistance: 250 KOhm  
Taper: A (log.)  
Center click: no



### Control Pot B 250K

Resistance: 250 KOhm  
Taper: B (lin.)  
Center click: no



### Control Pot 50K+250K treble/cut

Resistance: 50 KOhm  
Taper: B (lin.)  
Resistance: 250 KOhm  
Taper: A (log.)  
Center click: yes



### Control Pot B 50K

Resistance: 50 KOhm  
Taper: B (lin.)  
Center click: yes



### Blend Pot 250K

Resistance: 250 KOhm  
Center click: yes



### Push-Pull Volume Pot 250K

Resistance: 250 KOhm  
Taper: B (lin.)  
Center click: no

### Dimensions (in mm) for all DELANO potentiometers:

Shaft diameter: 6,0 solid shaft  
Shaft length: 10,0  
Thread diameter: 7,0 (metric)  
Thread length: 10,0  
Mounting hole: 7,5  
Housing diameter: 17,0

## Accessories

DELANO switches come with one nut and one washer.



### Switch 2-pole On/On

Type: mini toggle switch  
Function: On/On

Number of poles: 2 pole  
Number of solder lugs: 6  
Color: chrome plated  
Mounting hole (in mm): 6,5



### Switch 2-pole On/On/On

Type: mini toggle switch  
Function: On/On/On

Number of poles: 2 pole  
Number of solder lugs: 6  
Color: chrome plated  
Mounting hole (in mm): 6,5



### Switch 3-pole On/On

Type: mini toggle switch  
Function: On/On

Number of poles: 3 pole  
Number of solder lugs: 9  
Color: chrome plated  
Mounting hole (in mm): 6,5



### Switch 2-pole On/Off/On

Type: mini toggle switch  
Function: On/Off/On

Number of poles: 2 pole  
Number of solder lugs: 9  
Color: chrome plated  
Mounting hole (in mm): 6,5



The crossed out dustbin implies, that all products that are subject to the ElektroG may not be disposed in the domestic waste at the end of it's working life. It must be taken to a special local authority waste collector differentiated waste collection center. The avoidance and recycling of waste products saves materials, as does the purposeful economical handling of raw materials. Delano products are registered under WEEE No. DE 58703363

These pickups and preamps are made in Germany by Reinhard Jedamzik, DELANO Pickup Systems and are not to be represented as products of the following companies:

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- Precision Bass, Jazzbass and Fender, JB Pickup, J-Bass, P-bass are registered trademarks of Fender Musical Instrument Corporation.
- Musicman, Stingray, MM pickup, B 00 series are registered trademarks of Ernie Ball, Inc.
- Lakland is a registered trademark of the Lakland Corporation.
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All parts have a Limited Warranty against defects in materials and workmanship. Prices, specifications and policies are subject to change without notice.



## **DELANO pickup systems**

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