

NEW DYN SERIES...

...NEW TECHNOLOGY, NEW DESIGN, NEW SOUL

Schertler's flagship contact microphone series moves to the next level

Schertler's DYN Series contact microphones have proved firm favourites with artists and engineers since their introduction over 20 years ago. Renowned for their ability to enhance the natural sound quality and characteristics of a range of acoustic instruments, the dynamic contact mics have proved perfect performance and recording partners.

So why change something that is already great?

Microphone technology has moved on significantly during the last two decades. Our new DYN Series retains all the best bits from the original models, but now offers even better sound quality, more elegant appearance and more user-friendly operation. Using state-of-the-art, in-house developed technology, the DYN Series has now been redesigned to meet today's exacting requirements.

Better sound

Although based on the same moving coil technology as the original DYNs, the fundamental "soul" of each microphone has been radically transformed. New DYN Series models are fully active, dynamic contact microphones with 48V phantom power. Schertler's new, advanced active filtering technology enables each model to be exactly matched to the sound characteristics of its intended instrument through careful shaping of these filters. This leads to even more natural sounding results in an amplified or recording environment.

New design

The new DYN Series models are smaller in size, lighter in weight and are therefore less obtrusive to the player. Each model also has the same elegant construction that was a feature of our original A-DYN universal contact microphone (which will no longer be available). All microphones will be supplied with Schertler's custom in-house produced cables to ensure best possible performance results.

Easier to use

The new DYN Series has been designed for use by everyone, whether as a musician, or engineer. New technology and advanced filtering has led to more "immediate" results. So even if you're not a sound specialist, it's still possible to achieve amazing sound quality, with minimal adjustments, whether on stage, or in the studio.

Schertler DYN Series: MADE IN SWITZERLAND

Congratulations on purchasing the SCHERTLER® DYN-P48. It is my pleasure to welcome you to a growing family of musicians and technicians, including many of the world's leading soloists and sound engineers, who have chosen to work with SCHERTLER® products.

The DYN-P48 is a fully balanced, active contact microphone with Class-A electronics and a series of filters that have been specially designed to obtain an optimal frequency response from each individual instrument.

All SCHERTLER® products are developed and manufactured according to the highest standards of design, material quality and workmanship.

In my continuing quest to improve the transmission and reproduction of acoustic instrument sound, I hope to have also improved your individual performance experience.

Yours faithfully

Stephan Schertler

And the SCHERTLER® Team

MOUNTING THE TRANSDUCER

Using the green putty included in the set, form a ball that is approximately 8mm in diameter. Place the ball on a flat surface and work the putty back and forth to form a "worm" that is around 6cm in length. This putty is derived from a special inert formula. It can be used many times over without presenting any risk even to the finest of instrument finishes. In the event of any putty trace being left on the instrument, this can easily be removed. Take a generous amount of putty from the container and use it as an eraser, making "dabbing" motions. This completely removes any residue that might be left after detaching the transducer.

Take the "worm" of putty and apply it lightly to the surface, as shown on page 6. Be sure to make a complete ring around the transducer, as this will create a "vacuum" effect once it is mounted, thus ensuring improved adhesion to the instrument. Take the transducer and apply it by firmly pressing. Do not press too hard, but just hard enough to achieve sufficient contact, while at the same time slightly twisting the transducer back and forth in order for any trapped air to escape. When the transducer is correctly fitted, you will feel that the centre spot is making contact with the instrument.

Ich gratuliere Ihnen zum Kauf des Schertler® DYN-P48.

Viele der besten Solisten und professionellen Toningenieure unserer Zeit haben bereits SCHERTLER® Produkte gewählt. Der DYN-P48 ist ein aktives Kontaktmikrofon mit einer vollsymmetrischen Class-A Elektronik. Jedes DYN-P48 Model hat eine eingebauten Aktivfilter des speziell für jeden Instrumenttyp ausgelegt ist.

Alle SCHERTLER® Produkte werden nach höchsten Standards in Design, Materialqualität und Verarbeitung entwickelt und gefertigt.

In meinem Bestreben, die Übertragung und Reproduktion des akustischen Instrumentklangs kontinuierlich zu verbessern, hoffe ich, auch Ihre persönliche Performance bereichert zu haben.

Hochachtungsvoll

Stephan Schertler

Und der Schertler®-Team

MONTIEREN DES TRANSDUCERS

Um den DYN-P48 am Instrument zu befestigen, formen Sie eine Kugel in Erbsengröße aus der beiliegenden Knetmasse im Paket enthalten. Rollen Sie diese und formen Sie einen "Wurm" von ca. 6 cm Länge.

Aufgrund einer speziellen Formel, kann die Knetmasse mehrmals verwendet werden und schädigt die hochwertigen Lacke nicht. Sollten Spuren der Knetmasse auf dem Instrument verbleiben, werden diese problemlos mit einem grösseren Stück Knetmasse abgetupft.

Wie auf der Seite 6 gezeigt, legen Sie diesen Wurm ringförmig um den Mitteldom auf den Boden des DYN-P48. Der Ring muss geschlossen sein, um den für die sichere Anbringung nötigen Vakuumeffekt zu erzeugen. Mit leichten Drehbewegungen wird der DYN-P48 an das Instrument gedrückt, bis dessen Zentrum das Instrument berührt.

Mi congratulo con voi per l'acquisto del SCHERTLER® DYN-P48.

Molti dei migliori musicisti e tecnici del suono professionisti dei nostri tempi hanno già scelto i prodotti SCHERTLER®. Il DYN-P48 è un microfono a contatto attivo con elettronica in classe A, completamente bilanciato e con una serie di filtri adattati allo strumento concepiti per una ottenere una migliore risposta in frequenza su un'ampia banda audio.

Tutti i prodotti SCHERTLER® sono sviluppati e prodotti secondo i più elevati standard di design, qualità dei materiali e lavorazione.

Nella mia continua ricerca per migliorare trasmissione e riproduzione del suono di uno strumento acustico, spero di aver anche migliorato le vostre prestazioni individuali.

Cordiali saluti

Stephan Schertler

Ed il Team SCHERTLER®

MONTAGGIO DEL TRASDUTTORE

Formate una pallina, di ca. 8 mm di diametro, con la pasta verde inclusa nella confezione. Posizionate la pallina su una superficie piatta e iniziate a lavorarla avanti e indietro finché non assume la forma di un "cordone" di ca. 6 cm di lunghezza.

Prodotto secondo una formula inerte speciale, lo stucco verde può essere riutilizzato più volte e non causa alcun danno, neanche alle rifiniture degli strumenti più preziosi. Nel caso in cui sullo strumento rimangano tracce dello stucco, è possibile rimuovere facilmente con dell'altro stucco usandolo come gomma, sfregando e rimuovendo i residui rimasti. Prendete il "cordone" di stucco e applicatelo leggermente alla superficie, come mostrato a pagina 6. Create un anello completo e applicatelo su fondo del trasduttore. Poi applicate il DYN-P48 sullo strumento creando così un effetto di vuoto che garantisce un adesione migliore del trasduttore allo strumento. Applicare il DYN-P48 premendo con delicatezza e con un movimento circolare finché il centro del trasduttore tocca lo strumento.

Je vous félicite pour l'achat du SCHERTLER[®] DYN-P48. Un grand nombre des meilleurs solistes et ingénieurs du son de nos temps ont déjà choisi les produits SCHERTLER[®].

Le DYN-P48 est un microphone à contact actif avec électronique en classe A et complètement symétrique, avec une série de filtres adaptés à l'instrument pour obtenir une meilleure réponse en fréquence sur une large bande audio.

Tous les produits SCHERTLER[®] sont conçus et fabriqués selon les normes les plus élevées en matière de conception, qualité des matériaux et de fabrication.

Dans ma quête continue pour améliorer la transmission et la reproduction du son des instruments acoustiques, j'espère avoir aussi amélioré votre performance individuelle.

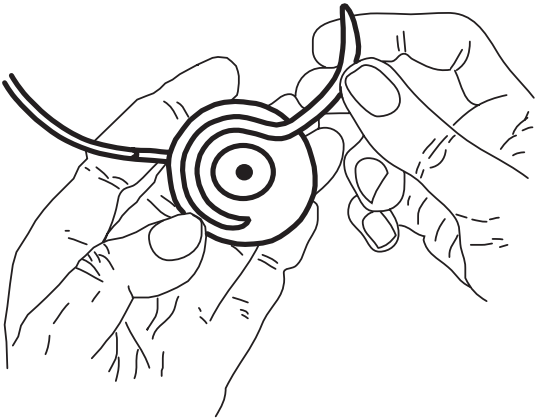
Cordialement

Stephan Schertler

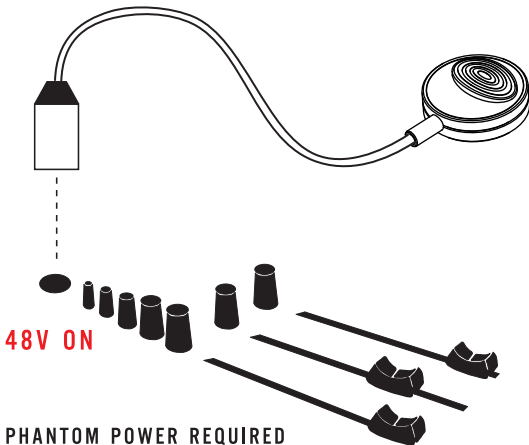
et le Team SCHERTLER[®]

MONTAGE DU CAPTEUR

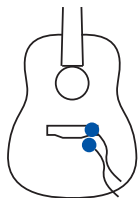
Pour appliquer le DYN-P48 sur l'instrument, formez une boule d'environ 8mm de diamètre avec la pâte verte inclus. Placez la boule sur une surface plate et commencez à la travailler en avant et en arrière en formant un "boudin" d'environ 6 cm de longueur. Dérivé d'une formule inertie spéciale, ce mastic peut être réutilisé plusieurs fois et ne présente aucun danger, pas même aux finitions d'instrument les plus fines. En cas de trace de mastic sur l'instrument, il suffit de l'enlever en prélevant une certaine quantité de mastic du récipient et en l'utilisant comme une gomme en "tamponnant", ce qui permet d'éliminer toute trace laissée après le décollement du capteur. Prenez le "boudin" de mastic et appliquez-le légèrement sur la surface comme indiqué à la page 6. Veuillez entourer complètement le capteur car ceci créera un effet de "vide" lorsqu'il sera monté plus tard, ce qui assurera une meilleure adhésion à l'instrument. Faites attention à appuyer suffisamment mais pas trop en faisant tourner légèrement le capteur en avant et en arrière afin de laisser s'échapper l'air éventuellement présent. Vous vous rendrez compte du fait que le capteur est en bonne position lorsque vous sentirez que la marque au milieu fait contact avec l'instrument.



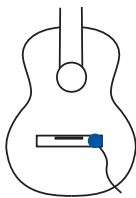
Correct green putty application
under the DYN-P48 transducer



RECOMMENDED POSITION



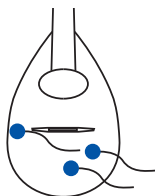
western guitar



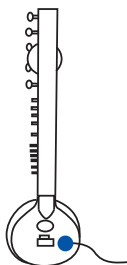
classical guitar



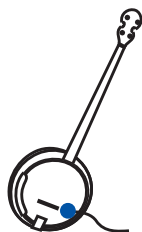
flamenco
jazz guitar



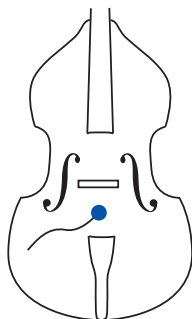
mandoline / lute
bouzouki



sitar



banjo



doublebass / cello

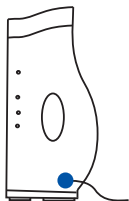


violin / viola

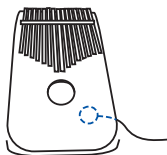


harp

RECOMMENDED POSITION



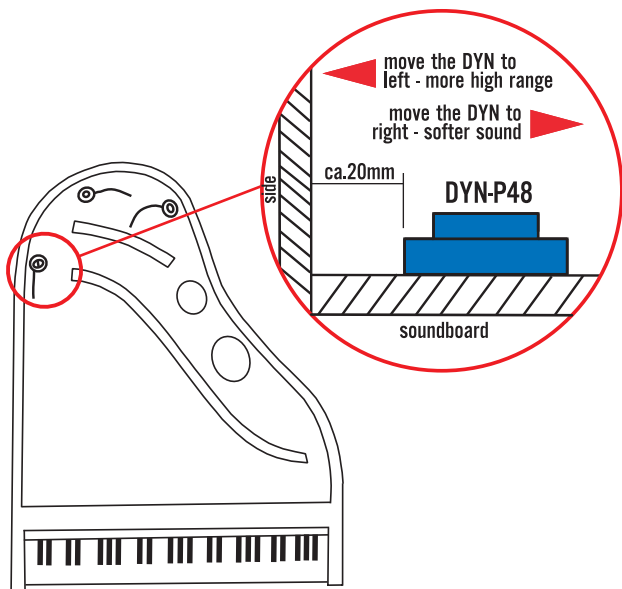
cithara



kalimba



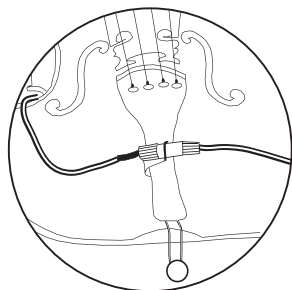
percussion



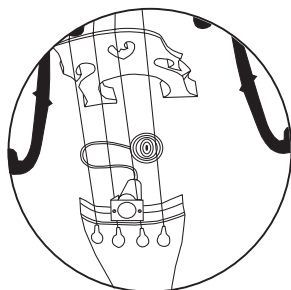
piano

DYN-P48 MODELS

MODEL	CABLE LENGTH	CONNECTOR
DYN-G-P48 Guitar	2,2m	XLR
DYN-M-P48 Mandolin	2,2m	XLR
DYN-V-P48 Violin	2,2m	XLR + Binder
DYN-H-P48 Harp	1,4m	XLR
DYN-C-P48 Cello	1,3m	XLR + Binder
DYN-B-P48 Double Bass	0,3m	Custom XLR
DYN-P-P48 Piano	1,4m	XLR
DYN-UNI-P48 Universal	4,0m	XLR



**Violin and Cello model
with Binder connector
mounted over the tailpiece**



**Double bass model with
Custom XLR connector
mounted between strings**

SPECIFICATIONS

Mechanical decoupling	Butterwort 2nd order, $Q=0,6$
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Output impedance	4.7 kohm @ 1kHz
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Electronic Frequency response	20 to 20'000 Hz +/-3dB
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Dynamic range	139dB, 145dB typical
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Sensitivity (theoretical)	-62dB/at 1um ampl.
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Sensitivity (on instrument)	ca. -30dB
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Temperature range	-20°C to 70°C
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Contacts	all hard gold 0,5mm
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Connection	XLR, balanced
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Minimum operating voltage	+22 VDC
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Active EQ

Each DYN-P48 model has an active EQ that is specially designed to obtain an optimal frequency response and the best possible audio performance according to the instrument characteristics. The DYN-PRO-P48 features a flat frequency response.

