

# CABLE

SCHNERZINGER®



Dear Customer,

Thank you for purchasing a SCHNERZINGER product.

Please take sufficient time to read the information in this manual carefully. You will find important information on how to use your product as well as tips on how to best integrate it into your HiFi system.

These instructions will make it easier for you to use the product, promote an understanding of its functional characteristics, and help you to obtain the full performance of the product.

We hope you enjoy using your new SCHNERZINGER product.

## Direction of signal flow

The logo SCHNERZINGER is written **in the direction of signal flow** and conductor formatting on the cables. Please connect the cables accordingly.

For **stereo cables**, the color of the lettering is RED for the right channel and BLACK for the left channel. For **loudspeaker cables**, the side with the red SCHNERZINGER lettering and white heat shrink tubing is connected to the positive terminal (red terminal) while the side with the black SCHNERZINGER lettering and black heat shrink tubing is connected to the negative terminal (black terminal).



## CABLE socket connections

SCHNERZINGER cables of the TS and RESOLUTION LINE have additional socket connections at the front end of the cable (in the direction of signal flow):

- CC1: port for **CABLE PROTECTOR** and/or **CABLE HARMONY PLUG** (only for TS-LINE)
- DIA: port for **SIGNAL PROTECTOR RESOLUTION** (only for analog/digital interconnects XLR/RCA)
- port for DIAGNOSE (service purpose)

The accessories should be used gradually, starting with the most important SCHNERZINGER source cable and then continuing in the signal flow direction.



## CABLE HARMONY PLUG (optional use)

Since October 2018, the TS-LINE (except for DIGITAL and PHONO cables) has been equipped with the CABLE HARMONY PLUG plug-in module.

It is included in the scope of delivery of the cable and allows you to respond to listening preferences. **The taste of the listener decides the use.**

Earlier cable generations may be retrofitted. Please ask your SCHNERZINGER dealer.

## BIDIRECTIONAL CABLE PROTECTION

The **CABLE PROTECTOR** is an amplifier of the SCHNERZINGER BIDIRECTIONAL technology, which protects the signal conductor from electrical interference and in addition prevents the transmission of interfering fields between the devices.

So far exclusively for RESOLUTION LINE: The **SIGNAL PROTECTOR RESOLUTION**, an effective amplifier for the effect of dissipating internal interference fields penetrating into the signal path to the outside.

If the CABLE PROTECTOR and optional HARMONY PLUG are used on the TS-LINE, the CABLE PROTECTOR is connected to CC1 and HARMONY PLUG is connected to the CABLE PROTECTOR.



## BIDIRECTIONAL CABLE PROTECTOR Stereo-Set and Mono-Version

**CABLE PROTECTOR STEREO (L/R Set):** Designed for an RCA, XLR or SPEAKER cable pair  
In any case, both stereo channels L and R must always be plugged with the CABLE PROTECTOR.

**CABLE PROTECTOR MONO:** Optimized for use on power cord and digital cables.

Ein **SIGNAL PROTECTOR STEREO (L/R Set)** ) Designed for an RCA or XLR interconnect cable pair.  
In any case, both stereo channels L and R must always be plugged with the CABLE PROTECTOR.

**SIGNAL PROTECTOR MONO:** Optimized for use on digital cables.



A unit of a CABLE PROTECTOR stereo set should not be used as a CABLE PROTECTOR Mono, e.g. for a POWER CORD or DIGITAL CABLE. There is a risk of overload damage.

## PHONO CABLE

Due to the low signal currents, PHONO cables are particularly susceptible to interference and react sensitively to the degree of shielding. Too little shielding protects the signal too little, which is noticeable in a humming noise, too much shielding causes sonic disadvantages.

SCHNERZINGER PHONO cables therefore have an adaptable shielding.

For this purpose, there are 1-3 strands on the transmitter side (source) and on the receiver side, depending on the model, which are marked with 1-3 black encoding rings. The procedure for the sonically optimized adaptation of the shielding takes place step by step. Once the desired result is achieved, the appropriate configuration is retained. In particular, the humming behavior is observed.

1. Connection of the strand 1 on the receiver side with the grounding of the preamplifier.
2. Additional connection of strand 2 of the receiver side (if available).
3. Additional connection of strand 3 of the receiver side (if available).
4. If none of the variants 1-3 achieve the desired success, loosen all strands and connect only the strand 3 of the receiver side (if available).
5. Additional connection of strand 2 of the receiver side (if available).
6. Additional connection of the strand 1 of the receiver side.
7. If none of the variants 1-6 achieve the desired success, loosen all strands and then connect both strand 1 on the transmitter side with the grounding of the turntable and strand 1 of the receiver side with the grounding of the preamplifier.
8. In addition, connect both the strand 2 on the transmitter side with the grounding of the turntable and the strand 2 of the receiver side with the grounding of the preamplifier (if available).
9. In addition, connect both the strand 3 on the transmitter side with the grounding of the turntable and the strand 3 of the receiver side with the grounding of the preamplifier (if available).
- 10.

## Phase assignment of the POWER CORDS

### Power Connection

The conductor of the SCHNERZINGER POWER CORDS has a formatting direction. Current should not flow against the conductor formatting direction, thus it must be ensured that the Schuko-plug will be inserted into the socket correctly.

A silver dot on the power plug shows the correct phase. For proper connection measure the phase



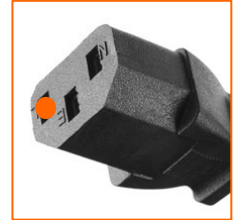
### Connection of HiFi devices

Each hi-fi device has a preferred phase assignment. The phase assignment typically corresponds to the definition of the German Institute for Standardization (DIN).

However, some manufacturers deviate from this.

Accordingly, SCHNERZINGER offers its POWER CORDS in two versions:

- PCLC (phase on the left of the iec plug according to DIN – see picture on the right)
- PCRC (phase on the right side of the IEC plug)



With SCHNERZINGER POWER CORDS, it is not an option to correct the phase on the device by turning the Schuko plug in the socket. Current would work against the formatting direction of the conductor.

## POWER CORD quality grades

With SCHNERZINGER POWER CORDS of different quality classes, the following assignment is usually recommended: The best quality class for the power amplifier, then digital devices and finally analog devices.

## Enjoy listening!

### Impressum

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