

D M032S | Universal Verstärker
12 W „Plug & Play“
Verstärkermodul mit Buchsen für den Signaleingang und für die Stromversorgung. Eingebauter Lautstärkeregler, Lautsprecheranschluss über Kabel.

GB M032S | Universal Amplifier
12 W “Plug & Play”
Amplifying module with jacks used for the signal input and for the power supply. Inserted loudspeaker regulator and loudspeaker connection are over the cables.

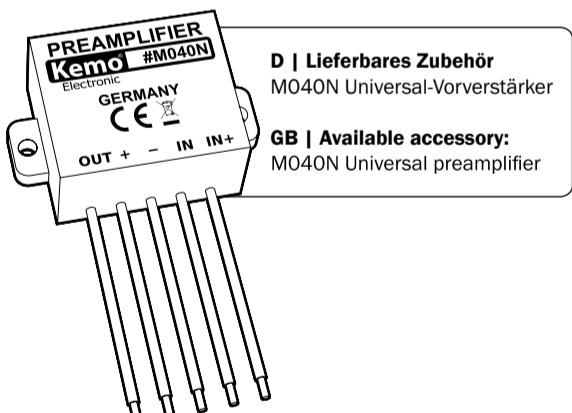
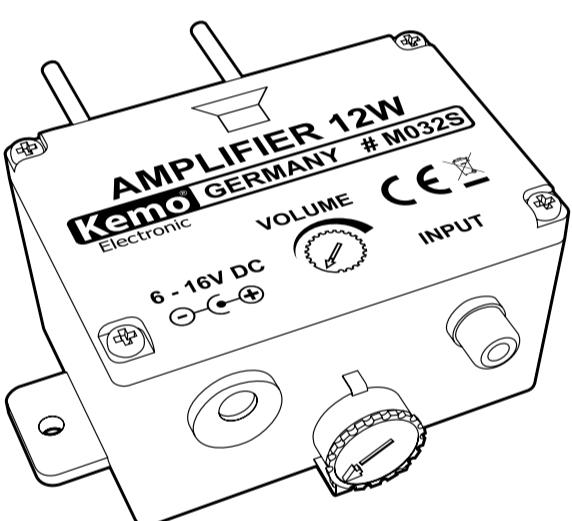
E M032S | Amplificador Universal
12 W “Plug & Play”
Módulo amplificador con sockets utilizables para la entrada de señal y para la fuente de alimentación. El regulador del volumen así como la conexión del mismo, es por medio de cable.

F M032S | Amplificateur universel
12 W “Plug & Play”
Module d'amplification avec douilles pour l'entrée de signal et pour l'alimentation en courant. Régulateur du volume installé, raccord du haut-parleur par câble.

NL M032S | Universeel versterker
12 W “Plug & Play”
Versterker modul met stekker aansluiting voor signaalvoeding en voeding. Ingebouwde volumeregelaar, en luidspreker aansluiting via de kabel.

PL M032S | Wzmacniacz uniwersalny
12 W „Plug & Play”
Moduł wzmacniacza z gniazdami wejścia sygnału i zasilania. Posiada wbudowany regulator głośności, podłączenie głośnika poprzez kabel.

RUS M032S | Универсальный
усилитель 12 Ватт “Plug & Play”
Данный модуль оснащен кабелем для подключения громкоговорителя и регулятором громкости, а также соответствующими разъемами для подключения входного сигнала и источника питания.

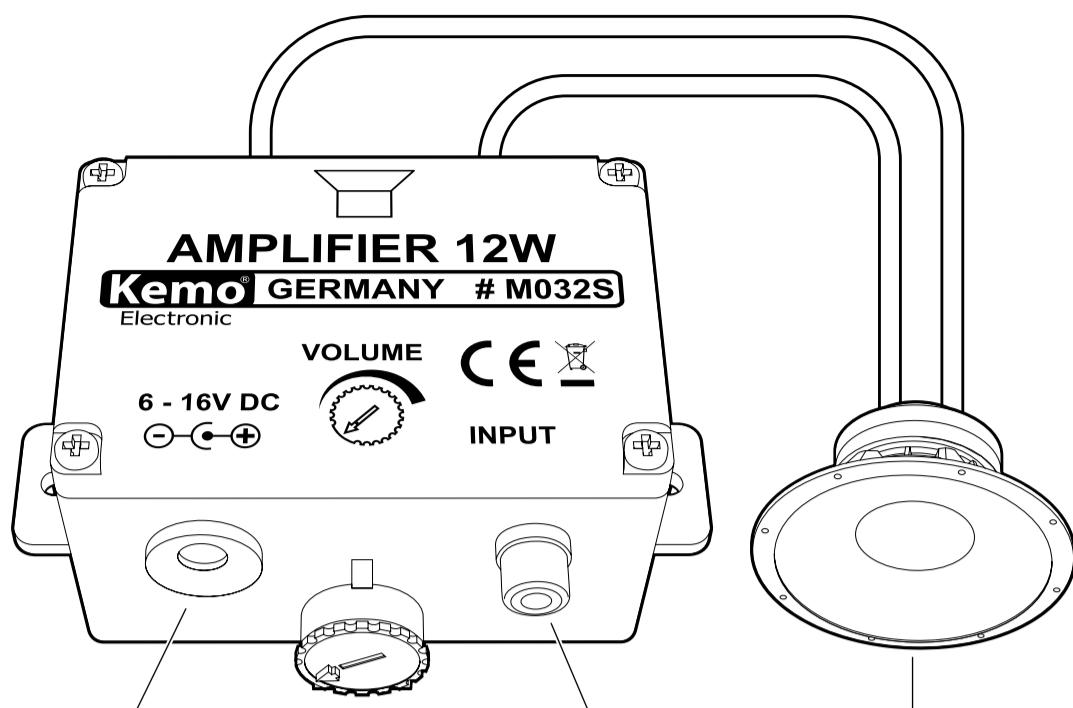


D | Entsorgung: Wenn das Gerät entsorgt werden soll, darf es nicht in den Hausmüll geworfen werden. Es muss an Sammelstellen für Fernsehgeräte, Computer usw. entsorgt werden (bitte erkundigen Sie sich in Ihrem Gemeindebüro oder in der Stadtverwaltung nach Elektronik-Müll-Sammelstellen).

GB | Disposal: This device may not be disposed with the household waste. It has to be disposed at collecting points for television sets, computers, etc. (please ask your local authority or municipal authorities for these collecting points for electronic waste).



ANSCHLUSSPLAN | CONNECTION PLAN



- | | | | |
|---------------------------|---------------------|------------------------|-----------------------|
| • Eingangsspannung | • Lautstärke | • Signaleingang | • Lautsprecher |
| • Power input | • Volumen | • Signal input | • Loudspeaker |
| 6 - 16 V/DC | 5,5/2,1 mm | 80 - 500 mV | 4 - 16 Ω >12 W |

D | Wichtig: Bitte beachten Sie die extra beiliegenden „Allgemeingültigen Hinweise“ in der Drucksache Nr. M1002. Diese enthält wichtige Hinweise der Inbetriebnahme und den wichtigen Sicherheitshinweisen! Diese Drucksache ist Bestandteil der Beschreibung und muss vor dem Aufbau sorgfältig gelesen werden.

GB | Important: Please pay attention to the “General Information” in the printed matter no. M1002 attached in addition. This contains important information starting and the important safety instructions! This printed matter is part of the product description and must be read carefully before assembling!

E | Importante: Observar las “Indicaciones generales” en el impreso no. M1002 que se incluyen además. ¡Ellas contienen informaciones importantes la puesta en servicio y las instrucciones de seguridad importantes! ¡Este impreso es una parte integrante de la descripción y se debe leer con esmero antes del montaje!

F | Important: Veuillez observer les « Renseignement généraux » dans l'imprimé no. M1002 ci-inclus. Ceci contient des informations importantes la mise en marche et les indications de sécurité importantes! Cet imprimé

est un élément défini de la description et il faut le lire attentivement avant l'ensemble!

NL | Belangrijk: Belangrijk is de extra bijlage van “Algemene toepassingen” onder nr. M1002. Deze geeft belangrijke tips voor het monteren het ingebruik nemen en de veiligheids voorschriften. Deze pagina is een onderdeel van de beschrijving en moet voor het bouwen zorgvuldig gelezen worden.

PL | Ważne: Proszę przestrzegać uwag zawartych w dołączonym druku „Ogólne obowiązujące zalecenia“ Nr. M1002. Broszura ta zawiera ważne informacje dotyczące uruchomienia i bezpieczeństwa! Jest ona częścią instrukcji i musi być przed montażem dokładnie przeczytana.

RUS | Важное примечание: Пожалуйста обратите внимание на отдельно приложенные «Общедействующие инструкции» в описании Но. M1002. Это описание содержит важные инструкции введения в эксплуатацию, и важные замечания по безопасности. Этот документ является основной частью описания по монтажу и должен быть тщательно прочитан до начала работы!

Ohm | Musikleistung: max. 12 W bei 16 V an einem 4 Ohm Lautsprecher
Frequenzgang: ca. 40 - 20.000 Hz | **Stromversorgungsbuchse:** für Netzstecker 2,5 mm | **Maße:** ca. 73 x 60 x 43 mm (ohne Befestigungslaschen)

GB

Assembly instructions:

The module has to be connected according to the drawing. The operating voltage may range from 6 to 16 volt (battery or stabilized power supply). Please make sure that sufficient electric power (max. 800 mA) is available. So don't use too weak batteries or power supplies! The maximum power of 12 W will only be reached at 16 volt and a 4-ohm loudspeaker. In case of lower operating voltages and/or higher resistive loudspeakers, the power decreases correspondingly. If signal sources with a too low output power (e.g. dyn. microphones) are connected, it is necessary to connect a preamplifier (e.g. Kemo M040N) in series.

Attention: A too high operating voltage (>16 V/DC) and a too low loudspeaker load (<4 ohm) will destroy the module! As a precaution, please check the operating voltage as there are „unstabilized“ power supplies which have a too high “open circuit voltage”! Although the module is „short circuit-proof“ for a short time, a too low loudspeaker impedance will cause a defect in the long run. Since the function of each module has been checked carefully before dispatch, replacement at our expense is not possible for the above reasons!

Use as directed: Amplification of weak AF signals for loudspeaker reproduction.

Checklist for troubleshooting:

1. The volume is too low despite fully turned up volume control:
Possible causes: The input signal is too weak (<80 mV, connect the preamplifier M040N in series); The operating voltage is too low or too weak: Make sure that the operating voltage is stabilized, if possible, and is capable of supplying a current of at least 800 mA. The voltage will break down in case of too weak batteries! The loudspeaker is too highly resistive, too small or has a too small efficiency on account of its design. The best results can be achieved with 4-ohm loudspeakers with a membrane suspended hard with a power of >20 W, installed into a box (a loudspeaker chassis that is operated open is too soft due to the missing resonance areas).

2. The sound is distorted, interfered by other sounds (e.g. humming noises, etc.): **Possible causes:** The input signal is too high (the amplifier is overmodulated). **Solution:** Turn the controller „VOLUME“ down. There are external signal interferences into the input cable: **Solution:** use a shielded microphone cable at the input and install the module into a metal casing and connect the casing with “earth”, too. Connect an elca 1000 μF 25 V directly at the module in parallel to the input of the distribution voltage (that helps if your operating voltage is too highly resistive).

