

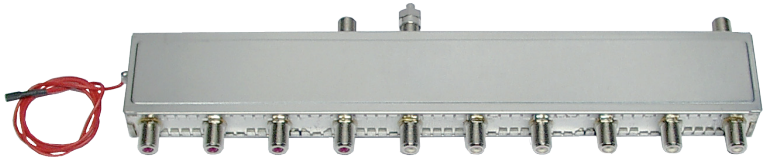
Assembly Instructions

English



Head-End Station SAT IF input distributor

SID 162



Notes on the Assembly Instructions.

As well as this supplementary Assembly Instructions, the Assembly Instructions for the head-end station apply.



GSS
Grundig SAT Systems GmbH
Beuthener Strasse 43
D-90471 Nuremberg

Phone: +49 (0) 911 / 703 8877
Fax: +49 (0) 911 / 703 9210
Email: info@gss.de
Internet: www.gss.de

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1 SAFETY REGULATIONS



- The standards IEC/EN/DIN EN 50083 resp. IEC/EN/DIN EN 60728 must be observed.
- Do not perform installation and service work during thunderstorms.
- Assembly, installation and servicing should be carried out by authorised electricians.
- Switch off the operating voltage of the system before beginning with assembly or service work.
- Avoid short circuits!
- Observe the relevant standards, regulations and guidelines on the installation and operation of antenna systems.
- To ensure electromagnetic compatibility, make sure all connections are tight and the covers are screwed on securely.
- No liability is accepted for damage caused by faulty connections or inappropriate handling of the device.



Check the head-end station according to the safety instructions listed in their assembly instruction.



Take precautions to prevent static discharge when working on the device!



Electronic devices should never be disposed of in the household rubbish. In accordance with directive 2002/96/EC of the European Parliament and the European Council from January 27, 2003 which addresses old electronic and electrical devices, such devices must be disposed of at a designated collection facility. At the end of its service life, please take your device to one of these public collection facilities for proper disposal.

2 GENERAL INFORMATION

2.1 SCOPE OF DELIVERY

- 1 SAT IF input distributor SID 162
- 8 SAT cables
- 1 Brief Assembly Instructions
- Mounting material

2.2 MEANING OF THE SYMBOLS USED



Important note

- Performing works

2.3 TECHNICAL DATA

The requirements of the following are met:
2006/95/EC, 2004/108/EC

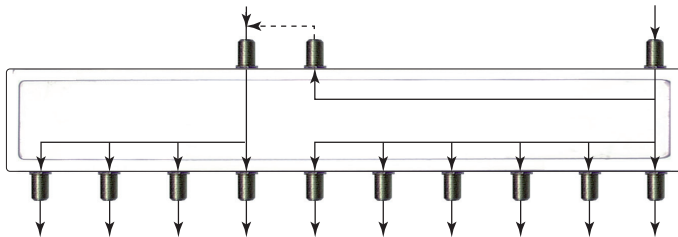
The product fulfils the guidelines and standards for CE labelling (page 10).

Unless otherwise noted all values are specified as "typical".

Frequency range: 950 ... 2150 MHz
SAT IF inputs: 2 F sockets
SAT IF loop-through output: 1 F socket
SAT IF outputs: 6 + 4 F sockets
Input / output impedance: 75 Ω
Decoupling of the outputs: 20 dB
Loss 1-6 fold (see page 5): 9 ... 14 dB
Loop-through loss: 8 dB
Loss 1-4 fold (see page 5) 9 ... 12 dB
LNB operating voltage supply (via external connector): max. 800 mA ==

2.4 DESCRIPTION

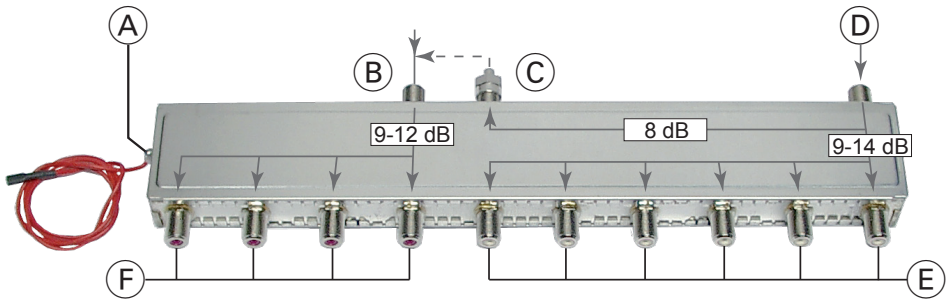
The SAT IF distributor SID 162 is equipped with two SAT IF inputs, one loop-through output and 10 SAT IF outputs. This enables to distribute two reception areas to 4 and 6 SAT IF outputs. Using the loop-through output the reception area 1 can be distributed to the 10 outputs. The F sockets of both reception areas are marked with different colours.



If the loop-through output is not used it must be terminated using the terminator supplied. The DC power feed (max. 800 mA \approx) is used for the power supply of the LNBs connected.

The SAT IF distributor SID 162 is designed exclusively for use in the head-end station.

3 OVERVIEW



- (A) LNB power connection
- (B) Input 2
- (C) Loop-through output of input 1 with terminator

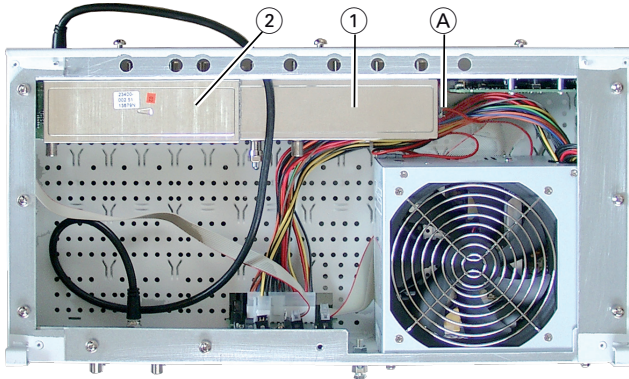
- (D) Input 1
- (E) Outputs of input 1
- (F) Outputs of input 2

4 INSTALLING THE SAT IF INPUT DISTRIBUTOR

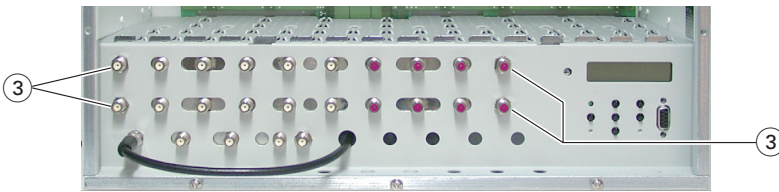


Before installing or changing a module or accessory, switch off the head-end station or unplug the power cable from the mains power socket. Installing the SAT IF input distributor take care that no cables are squeezed off or injured.

- Remove the front cover and the base plate of the head-end station.
- Insert the SAT IF input distributor ① above the output collector ② so that the LNB power connection ③ is facing the control panel.



- Fasten the outer sockets of the SAT IF input distributor ③ with two nuts and lock washers put under each.



Tighten the nuts until the teeth on the lock washers have penetrated the exterior coating and a good connection is made between the housing and the SAT IF input distributor.

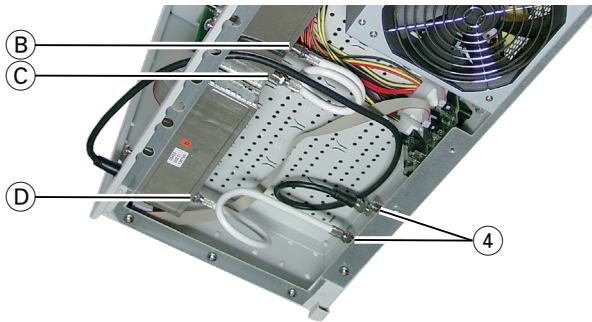
5 CONNECTING THE SAT IF INPUT DISTRIBUTOR

5.1 CONNECTING THE HF CONNECTIONS

- Connect the outputs (E) and (F) (page 5) to the appropriate inputs of the modules.

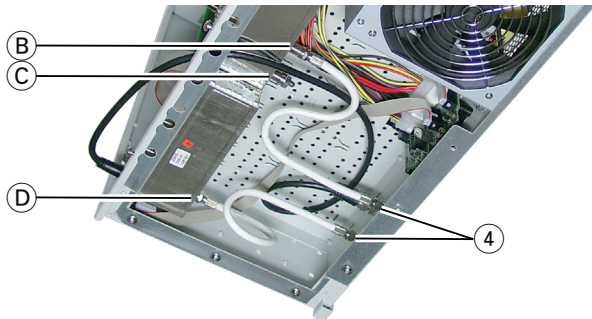
USING ONE RECEPTION AREA (LOOP-THROUGH MODE)

- Connect input (D) of the SAT IF input distributor to one of the pre-installed F terminals (4) in the rear wall of the head-end station using a HF cable made on-site (length approx. 30 cm).
- Connect the loop-through output (C) to input (B) using a HF cable made on-site (length approx. 30 cm).



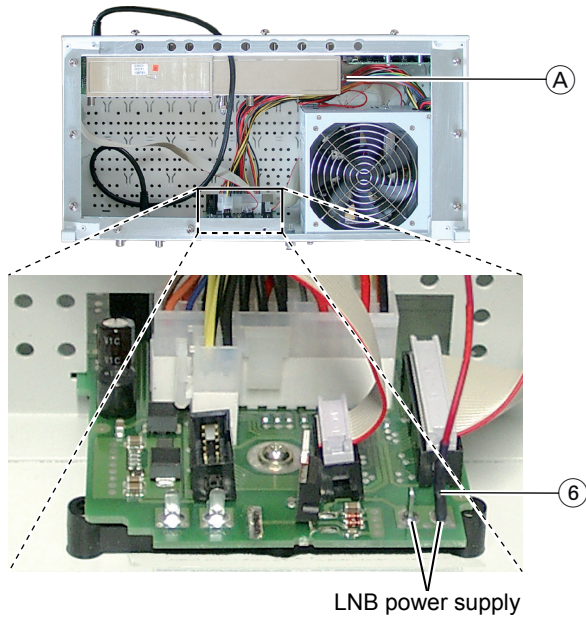
USING TWO RECEPTION AREAS

- Connect inputs (B) and (D) of the SAT IF input distributor to the appropriate pre-installed F terminals (4) in the rear wall of the head-end station using HF cables made on-site (length approx. 30 cm).
- Terminate the loop-through output (C) with the terminator supplied.



5.2 CONNECTING THE POWER SUPPLY

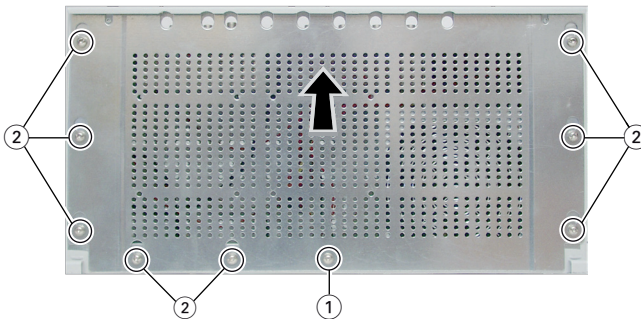
- Connect plug ⑥ of the cable of the LNB power connection ① to one of the contacts "LNB power supply" (800 mA == total).







After installing the head-end station, retrofitting accessories or installing modules it is necessary to tighten all cable connections, F terminals and cover screws in order to maintain compliance with current EMC regulations and to ensure a reliable operation.

- Securely tighten the cable connections (F connector) using an open-ended spanner (spanner gap 11 mm).
- Programme the modules connected and the head-end station if necessary.
- Position the breakthroughs in the base plate above the fastening screws (2).
- Push the base plate in direction of the arrow and lock it with the locking screw (1).
- Tighten the fastening screws (2).



- Tighten the nuts of retrofitted F terminals if applicable.
- Mount the front cover (see the assembly instructions of the head-end station).

CE - Declaration of Conformity

	Konformitätserklärung Declaration of Conformity / Déclaration de Conformité 004 / 08	CE
Der Hersteller/Importeur The manufacturer/importer Le producteur/importateur	GSS GRUNDIG SAT-Systems GmbH	
Anschrift / Address / Adresse	Beuthener Straße 43, D-90471 Nürnberg, Germany	
erklärt hiermit eigenverantwortlich, daß das Produkt: declare under their sole responsibility that the product: / déclare, que le produit:		
Bezeichnung / Name / Description	SAT-ZF-Eingangsverteiler	
Type / Model / Type	GRUNDIG SID 162	
Bestell-Nr. / Order-No. / N° de réf.	GAK5420	
folgenden Normen entspricht: is in accordance with the following specifications: / correspond aux normes suivantes:		
	EN 50083-2:	2006
	EN 60950-1 :	2001
Das Produkt erfüllt somit die Forderungen folgender EG-Richtlinien: Therefore the product fulfils the demands of the following EC-Directives: Le produit satisfait ainsi aux conditions des directives suivantes de la CE:		
2006/95/EG	Richtlinie betreffend elektrische Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen Directive relating to electrical equipment designed for use within certain voltage limits Directive relatives au matériel électrique destiné à être employé dans certaines limites de tension	
2004/108/EG	Richtlinie über die elektromagnetische Verträglichkeit Directive relating to electromagnetic compatibility Directive relatives à la compatibilité électromagnétique	
Nürnberg, 6. Februar 2008		
	 Michael Bierschneider Leiter Entwicklung Manager Development / Directeur Développement	