

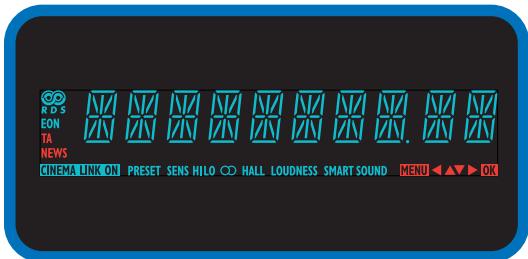
Back View of FR755



Sound Panel



Menu Navigator



Display Graphics



\* Recommended speaker package : Philips FB755



\* Recommended subwoofer : Philips FB301



	/00	/01	/14
Asia Pacific		•	
Latam		•	
Europe	•		
E Europe			•
<b>Tuner</b>			
FM65.81 - 74 MHz		•	
FM87.5 - 108 MHz	•	•	•
MW531 - 1602 kHz	•	•	
MW530 - 1700 kHz		•	
LW 153 - 279 kHz	•	•	
RDS	•	•	
<b>mains supply</b>			
120/230V 50-60Hz		•	
230V/50Hz	•	•	

\* not available in all countries

EAN Code: 87 10101 35707 2 (/00)  
 EAN Code: 87 10101 35708 9 (/01)  
 EAN Code: 87 10101 35709 6 (/14)

Product Dimensions:  
 435mm W x 135mm H x 350mm D (set)  
 Product weight: 9.4kg

Package Dimensions:  
 519mm W x 216mm H x 488mm D  
 Package weight : 10.0 kg

Carton contains: receiver FR755, remote control, batteries, instruction for use, AM + FM wire antenna, warranty information, scart to audio adaptor (/00,14)

Printed in Singapore  
 Date printed : Dec 1998  
 © 1998 Koninklijke Philips Electronics N.V.  
 All rights reserved.

Specifications subject to change without notice.  
 Dolby, Dolby Digital, Dolby Pro-Logic® and the double-D symbol are trademarks of Dolby Laboratories



A/V Surround Receiver

FR755

## Audio/Video Surround Sound Receiver

- **Dolby Surround ProLogic® Sound**
- **6 Channel Input** (5.1 DVD, MPEG, AC-3/Dolby Digital® and DTS prepared)
- **400 Watts Surround Power Output :**  
3 x 100Watts (left, right, center), 2 x 50 Watts (rear)
- **'Hall' feature for normal stereo with rear speaker sound** (simulated surround)
- **Loudness, Bass and Treble Control**
- **Equalizer Smart Sound modes; Personal, Speech, Music, Movie, Multi-Media**
- **All Dolby Surround ProLogicModes and Delay Times**
- **Subwoofer Output Connection**
- **4 Video input and 2 output connections**
- **Front AV/Game input**
- **Station Name Display** (manual entry of radio station names)
- **RDS EON with Traffic Announcement and NEWS!** (-/00 & -/14 only)
- **'Cinema Link' System Control Bus**
- **Set-up Menu Navigator**
- **42-key Audio/Video Remote Control**
- **Harmonized Philips Home Cinema Components design**



Let's make things better.



PHILIPS

Let's make things better.



PHILIPS

## Sound Enhancement

**Dolby Surround ProLogic® Sound** - Provides the current industry standard for home cinema sound from VCR and TV broadcast. The front left and right speaker deliver detailed, directional sound as the center speaker 'steers' dialogue/vocal sound and center screen action at the TV screen. Both surround speakers add a greater sense of depth with special effects and time delay, making every living room a home theater with spaceships overhead, aliens behind the couch.

**6 Channel input (5.1 DVD, DTS - and AC-3 / Dolby Digital® prepared)** - Six input connectors at the back of the set and five amplifiers enable direct connection to digital surround sound from DVD players, Digital Televisions and other audio/video sources with six channel output connectors and built-in AC-3/Dolby Digital® MPEG, DTS or any other (future) decoder type.

**Digital Surround Sound** - (only via 6 channel input) Like in AC-3/Dolby Digital® MPEG and DTS are available on DVD, Laserdisc, satellite broadcasts and digital TV, and delivers the ultimate experience in home theater surround with six discrete channels of digital CD sound quality.

**400W surround power output** - The five, 3x100W (left, right, center) + 2 x 50W (rear) amplifiers together deliver 400 Watts of home cinema power. The stereo output power of 100W per channel is specified at 6 Ohm, DIN, 1kHz and 0.7% total harmonic distortion (THD). The amplifiers have been designed with special attention to a short 'rise' and 'fall' time, so characteristic for the frequent and sudden drastic changes in dynamics of movie sound in general. Furthermore, the amplification reserves are designed such that they are more than sufficient to follow sudden needs for more sound pressure.

**'Hall' feature** - For use with non-surround sound sources in order to create a cinema effect through normal stereo with rear speaker sound. This 'simulated' surround provides an extra musical ('live') ambience to stereo sound.

**Loudness, bass and treble control** - Loudness is a dynamic sound adjustment that amplifies high and low frequencies depending on the volume (the higher the volume, the less the amplification). Thereby it creates a 'richer' sound impression already at low volume. Bass and treble allows sound adjustment of high and low frequencies to personal preferences.

**Subwoofer output connection** - Affords easy access to greater dimensions in home theater sound with output signals made available for connections to a powered subwoofer.

**Equalizer Smart Sound modes** - Has 5 modes, specially designed to match the sound of various TV (and Audio) programs. 'Speech' is used for news, discussions and talk show programs. 'Music' is used for music programs. 'Movie' is used for movies or TV-series or soaps. 'Multi-Media' is used when video games are connected to the TV. 'Personal' corresponds with the bass and treble setting chosen by the user.

## Convenience

**Cinema Link System Control Bus** - When connected to a Philips TV with 'Cinema Link' (and even better, in addition a Philips VCR and or DVD player), the combination offers an interesting range of extra user benefits: *One Touch Cinema* - upon starting your e.g. DVD disc, the complete system will automatically switch to the correct source and sound mode. *High Resolution OSD* - the onscreen display of the television will feature the 'receiver' menu option. This option can be used for easier receiver set-up and receiver settings. *Multiple Languages* - depending on the languages offered by the TV (likely are Spanish, French and English) the user can operate the set via the TV in his/her native language. *TV as Center speaker* - allows to get rid of the separate center speaker and use all the speakers and amplifiers in the TV to function as center speaker (most large screen Philips TVs provide over 50W of output power). *One Touch End* - puts your complete home theater system into standby after some exciting hours of cinema enjoyment.

**All Dolby Surround ProLogic® modes and delay times** - Available Dolby modes are 3-Stereo (when using only the front speakers), Center Phantom (when not using a center speaker) and Center Wide / Normal (depending on the capabilities of the center speaker). Delay times of 15, 20, 25 and 30 milliseconds are available. Notice that the user is not bothered with delay times but is asked to enter the distance to front and surround speaker via the menu navigator rotary.

**42-key Audio/Video remote control** - To operate all main receiver functions and many other Philips CD players, VCR's, Televisions and DVD players. The remote has a clear, ergonomically designed lay-out (see picture)

**Set up Menu Navigator** - The menu navigator rotary knob takes away many buttons from the set, thereby reducing complexity and enhancing usability of the set. The menu navigator is a menu-based user interface used for all kinds of initial set-up operations (speaker set-up, tuner installation etc.). Via icons in the display, the system conveniently guides the user to the next step in the receiver set-up. In normal mode, the menu rotary functions as tuner preset dial.

**30 tuner presets with station name display** - The available tuner presets can be randomly used to store AM and FM stations (30 in total). Each of the presets can be given a user defined name of up to 8 characters. Giving the preset a name is as easy as 1-2-3 with the menu navigator.

**Front A/V, Game Input** - For quick and easy connection to e.g. a camcorder or video games.

**Tuner sensitivity adjustment** - The tuner sensitivity to pick up radio stations can be set to high and low. In case of low, only the 'strong' stations will be picked up during a search. When even some of the weaker stations are of interest, the 'low' option will pick up every station the tuner can possibly receive.

## Convenience

**RDS EON News & Traffic Announcement (TA)** - Many RDS capable radio stations are of the so called EON (Enhanced Other Network) type. These stations are able to detect news broadcasts and traffic announcements of other stations in the same 'network'. The receiver display indicates when the active station is EON-capable. When 'News' and/or 'Traffic Announcement' are activated by the user, the tuner will automatically switch to the correct station when a news bulletin or traffic announcement is broadcasted. Afterwards the tuner conveniently switches back to the original station. News and TA not only work in tuner mode; when the receiver is set to any of its other sources (e.g. CD, VCR, CDR, etc.) it switches to the tuner whenever there is a news or traffic bulletin. Whatever you're listening to, Philips keeps you informed on the most recent traffic and news affairs! (Note: although all EON station offer TA, News might not be widely available in every country). For RDS stations, station name, RDS clock and RDS Text information are available. (/00, /14)

**Display brightness adjustment** - Conveniently adjusts the brightness of the display in 3 steps.

**Switched mains outlet** - Allows to connect another HiFi component. Switching the receiver to standby will automatically switch off the connected set.

**Standby power < 2W** - To save energy consumption, the standby transformer of this set has been designed not to consume more than 2 Watt in standby mode.

**Scart audio adapter** - For easy connection between TV and VCR or DVD. (cable includes 'Cinema Link' connection) (/00, /14)

## Design

**Harmonized Philips Home Cinema Components Design** - The design of this component follows the design language of the Philips Harmonized Home Cinema design. Characteristics of this design language are stylish, simple, capable, powerful and rich. All Philips Home Cinema components and HiFi components will follow this design (e.g. VCR, CD Changer, CD Recorder, DVD, etc).

**Display** - Color and graphic/character size are defined such that at visibility remains clear even at largest distances.

**Remote Control** - The form of the remote control has proven very successful in usability test. The weight, shape and button follow the book in terms of ergonomic design, thereby offering maximum convenience.

## Technical Specifications

## Connections

• Audio inputs/outputs	: 5 input sources, 2 output connections
- CD	: in
- CDR/Tape	: in/out
- TV	: in
- VCR	: in/out
- 6CH/DVD	: 6 analogue inputs (L, R, C, RL, RR, Sw)
- Headphone	: 6.3 mm
• Video inputs/outputs	: 3 input sources, 2 output connections
- DVD	: in
- TV	: in
- VCR	: in/out
- Monitor	: out
• Speaker connections suitable for speakers ≥ 6 Ohm	
- left, right, center	: click-fit connection
- rear left, right	: click-fit connection
• Miscellaneous connections	
- Cinema Link system control bus	: 2
- subwoofer pre-out	: 1
- center pre-out	: 2
- mains outlet	: 1 (maximum 100W)
- AM antenna	: loop type
- FM antenna	: coaxial 75 Ohm

## Amplifier

• Power output stereo mode	6 Ohms, 1kHz, 0.7% THD, DIN
- left, right	: 2 x 100 W
• Power output surround mode	6 Ohms, 1 kHz, 0.7% THD
- left, right	: 2 x 100 W
- center	: 100 W
- rear left, right	: 2 x 50 W
• Amplifier characteristics	
- total harmonic distortion	: 0.05 % (1 kHz, 1W output)
- power bandwidth (D<0.7%)	: 40 Hz - 20 kHz
- frequency response (linear)	: 20 Hz - 20 kHz, ± 3 dB
- signal-to-noise ratio (weighted)	: > 82 dBA, (acc. IHF, 1kOhm)
- channel separation (crosstalk)	: ≥ -65 dB, 1 kHz
• Controls	
- bass	: 100 Hz, (-10dB ... +10dB)
- treble	: 10 kHz, (-10dB ... +10dB)
- loudness	: +6 dB (100Hz,-30dB), +3 dB (10kHz,-30dB)
• Surround	
- modes	: ProLogic, Center Phantom, 3-Stereo, Hall
- delay	: 15 to 30ms (steps of 5ms)
• Audio input sensitivity	
- CD	: 250 mV / 47 kOhms
- CDR/Tape	: 250 mV / 47 kOhms
- TV	: 250 mV / 47 kOhms
- VCR	: 250 mV / 47 kOhms
- 6CH/DVD	: 250 mV / 47 kOhms
• Audio output sensitivity	
- CDR/Tape	: 250 mV / 1 kOhm
- VCR	: 250 mV / 1 kOhm
- subwoofer pre-out	: 0.8V / 1 kOhm
- center pre-out	: 2.5V / 1 kOhm
- headphone	: 3V / 120 Ohm

## Tuner (typical values)

• FM section	
- wave range	: see table on back side
Sensitivity at 75 Ohm	
- Mono 26 dB S/N	: 17 dBf (/14, /01) 15 dBf (/00)
- Stereo 46 dB S/N	: 41 dBf
- Selectivity	: 55 dB at 300 kHz
- Distortion mono/stereo	: 0.9%, 0.8% (/14, /01) 0.85%, 0.3% (/00)
- Frequency response	: 63Hz-12.5KHz, ±1dB
- S/N ratio mono/stereo	: 60 / 55 dB
- Stereo separation (1kHz)	: 27 dB (/14, /01) 35 dB (/00)
- Image rejection	: 48 dB (/14, /01) 100 dB (/00)
- IF suppression	: 85 dB (/14, /01) 100 dB (/00)
Sub carrier suppression	
- for 19 KHz	: 30 dB
- for 38 KHz	: 50 dB (/14, /01) 37 dB (/00)
• AM section	
- Wave ranges	: see table on back side
- Sensitivity (MW)	: 1.5 V/m
- Selectivity	: 30 dB
- IF rejection	: 64 dB (/14, /01) 50dB (/00)
- S/N ratio	: 48 dB (/14, /01) 50dB (/00)

## General

• Power supply	
- mains voltage	: see table on backside
- power consumption	: < 2W (in standby) ≈ 200W (in 5 channel operation)
- electrical requirements	: IEC65, FCC stereo
• Remote control	
- keys	: 42-keys
- codes	: RC5, RC6
- type	: Philips Audio & Video products
• Set	
- material / finish	: metal, hot-stamp foil on ABS
- dimensions (incl. feet)	: 435mm x 135mm x 350mm (W x H x D)
- display	: 2 color starburst FTD
- weight	: 9.4 Kg
• Package	
- dimensions	: 519mm x 216mm x 488mm (W x H x D)
- weight (incl. set)	: 10.8 kg
• Accessories	
- remote control	
- 2 AA carbon/zinc batteries	
- instruction manual	
- warranty information	
- AM loop + FM wire antenna	
- scart audio adaptor (/14, /01)	

Let's make things better.



PHILIPS