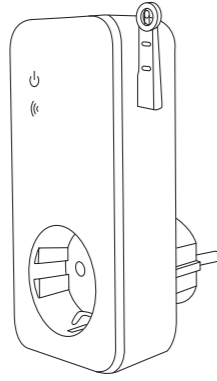


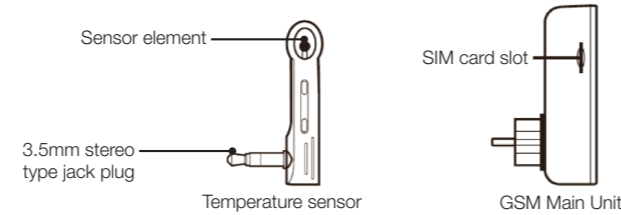
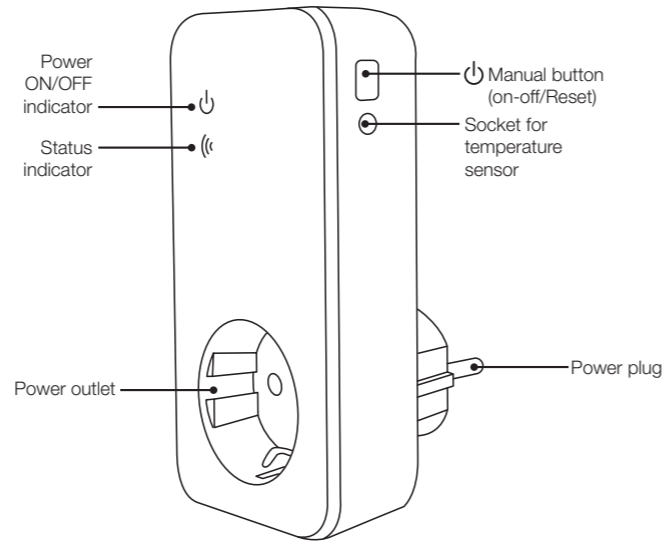
YOYOPower

SNABBGUIDE

YOYOPower GSM Control® Main Unit
YOYOPower GSM Control® Slave Unit



Get to know YOYOPower



YOYOPower Status Indicators

LED	Status
	Socket Power OFF
	Socket Power ON
	Standby
	Processing SMS command
	Searching for network (Main Unit)/Lost Connection (Slave Unit)
	Pairing mode
	Factory Reset (3 seconds)

A3 Rev C

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YOYOPower Functions

YOYOPower GSM Main Unit is a socket which is controlled using SMS commands, either directly or using the YOYOPower app.* Each GSM Main Unit can control up to 4 additional Slave Units which connect locally over a 433MHz radio link.



Temperature monitoring



Temperature alarm



Up to 4 additional Slave units



Thermostat



Easy control by SMS or APP*



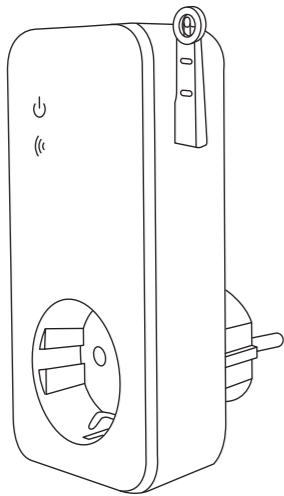
Schedule control



Call control



Delay control



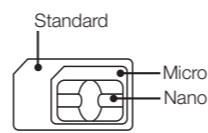
Status notifications inc. power loss monitor

STEP 1. Prepare YOYOPower Main Unit

- Plug in the temperature sensor to the socket on the side of YOYOPower, if required. Use a standard 3.5mm stereo audio extension cable if you wish to locate the sensor away from YOYOPower.
- Insert a SIM card to the Main unit. YOYOPower uses a standard size SIM.
 - NOTE:** The SIM PIN must be disabled. Use a mobile phone to check and, if necessary, turn off SIM Lock.
 - NOTE:** Check that the SIM card has credit.
 - WARNING:** Always be sure to unplug YOYOPower and wait 2 minutes before inserting or removing the SIM card. Do not touch the gold contacts of the SIM Card.

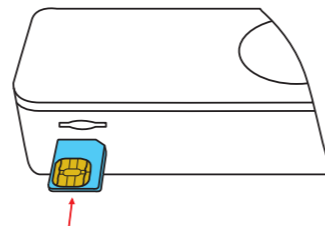
To insert the SIM Card:

- Hold the SIM card with the gold contacts facing upwards, as shown.
- Insert the SIM gently until you feel a spring pressing back.
- Insert a little further and the SIM clicks in to place.



To remove the SIM card:

- Gently press the SIM card in to YOYOPower with your fingernail until you hear a click.
- The spring in the slot ejects the SIM a few millimetres.
- Remove the SIM from the slot.



STEP 2. Set up YOYOPower GSM Main Unit

- Plug YOYOPower in to an outlet.
- The status indicator flashes for approximately 60 seconds then changes to slow fade (Standby) indicate that the mobile network has been found.
- Register your mobile phone to be the Master that controls YOYOPower:
 - Install YOYOPower from the App StoreSM or Google PlayTM
 - Open the YOYOPower app, tap **+ add GSM Main Unit** and enter the location (e.g. Garage), the name of the controlled appliance (e.g. heater) and the GSM Main Unit's mobile number.
 - or
 - Send an SMS with text #00# to the Main Unit's mobile number.
- Wait for the welcome SMS with the default password.
- Turn the socket power on and off to test that you have control:
 - Short press on the Manual button on the side of the unit. and
 - Tap and in the YOYOPower app
 - or
 - Send #01#0# to turn on the power and #02#0# to turn it off.
- Plug in the appliance to be controlled via YOYOPower.

YOYOPower GSM Main Unit is now operational

Adding a YOYOPower Slave Unit

Before you start, make sure your GSM Main Unit is set up and plugged in.

- Plug in the Slave unit to an outlet. Wait 30 seconds.
 - Press and hold the manual button for 5 seconds until the status indicator turns to steady light, then release it. Wait until the indicator starts to flash again (lost connection).
 - Unplug the Slave unit from the outlet.
 - Tell the Main unit to link with the Slave unit:
 - Open the YOYOPower app, select the GSM Master and tap **+ add slave**
 - Enter a name for the slave and tap **OK**.
 - or
 - Send an SMS with text #60#name#
 - NOTE:** name may contain up to 7 characters (letters A-Z, a-z and numbers 0-9) but no spaces. Do not use ä å ö.
 - Wait for the SMS message "Power on "name" socket now" from the Main unit. Main unit status indicator flashes (Pairing mode).
 - Plug in the Slave unit to an outlet.
 - Check that you receive an SMS: ""name" socket - CONNECTED". The indicator on the Slave unit will now slowly fade on and off.
 - Turn the Slave socket power on and off to test that you have control:
 - Short press on the Manual button on the side of the unit. and
 - Tap and against the Slave Unit name in the YOYOPower app
 - or
 - Send #61#name# to turn on the power and #62#name# to turn it off.
 - Plug in the appliance to be controlled via the Slave unit.
- NOTE:** If you make a mistake and want the Main unit to forget the Slave unit, send #71#name#. Repeat the steps above to start again.

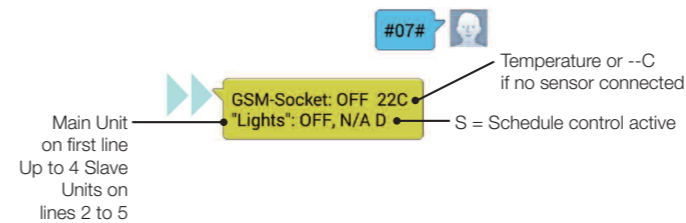
Turn the socket on and off manually

- Press the Manual button for one second. YOYOPower switches on or off when you release the button.
 - or
 - In the YOYOPower app, tap and next to the socket's name.
 - or
 - (Main Unit) send #01#0# to turn on the power and #02#0# to turn it off.
 - (Slave Unit) send #61#name# to turn on the power and #62#name# to turn it off.
- NOTE:** Manually switching the socket on or off disables automatic control.

Get Status

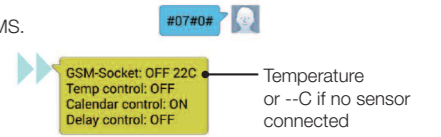
Socket status and temperature of Main Unit and connected slaves

- In the YOYOPower app, select the GSM Main unit and tap the button, or send #07# by SMS.
- Wait for the status SMS.



Get detailed status of a YOYOPower unit

- In the YOYOPower app, select the GSM Main unit and tap the button and then the Status button, or send:
 - (Main Unit) #07#0#
 - (Slave Unit) #70#
- Wait for the status SMS.



Automatic control

Each YOYOPower unit can be set to turn on and off automatically according to:

- Schedule:** a pre-set schedule based on day of the week and time of day
- Delay:** a simple delay of 1 to 720 minutes before the socket switches on or off
- Temperature:** operate as a thermostat for heating or cooling.

NOTE: Only one of the above modes may be in operation at any time. For example, enabling Delay control disables Schedule control. Using the Manual button also disables automatic control.

Schedule Control

The schedule is based on Day of the week, OnTime and OffTime.

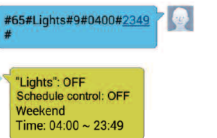
To set up via the YOYOPower App:

- Tap against the YOYOPower unit to configure.
- Tap **Schedule control**
- Select one option for day, weekday or weekend.
- Enter on and off times in 24-hour format.
- Tap **OK** and wait for the confirmation SMS. Schedule control is now enabled.
- Disable or enable Schedule control by tapping or .

Day	Schedule active:
0	Every day
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
6	Saturday
7	Sunday
8	Monday to Friday
9	Weekend (Sat. & Sun.)

To set up by SMS:

- Set up the schedule, send:
 - (Main Unit) #20#0#Day#OnTime#OffTime#
 - (Slave Unit) #65#name#Day#OnTime#OffTime#
- Wait for the confirmation SMS. Schedule control is now enabled.



To disable Schedule Control by SMS, send:

- (Main Unit) #19#0#0#
- (Slave Unit) #64#name#0#



To enable Schedule Control by SMS, send:

- (Main Unit) #19#0#1#
- (Slave Unit) #64#name#1#

NOTES:

- OnTime and OffTime use the 24-hour clock e.g. 0045,2130.
- The setting is saved. To change it, repeat the set-up procedure and the old setting is overwritten.
- If OnTime is later than OffTime, socket is on until OffTime the following day.

Delay Control

The delay control switches the socket on or off 1 to 720 minutes after the delay is initiated.

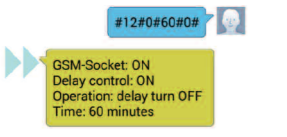
To use Delay Control via the YOYOPower App:

- Tap against the YOYOPower unit to configure.
- Tap **Delay control**
- Enter the number of minutes the delay shall last.
- Select if the power to the socket shall be turned on or off at the end of the delay
- Tap **OK**.

NOTE: To cancel the delay, tap the **STOP** button.

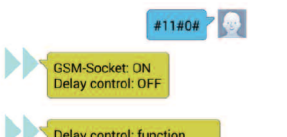
To turn on the socket after n minutes via SMS:

- (Main Unit) #12#0#n#1#
- (Slave Unit) #63#name#n#1#



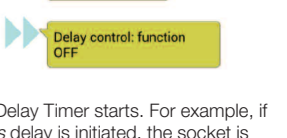
To turn off the socket after n minutes via SMS:

- (Main Unit) #12#0#n#0#
- (Slave Unit) #63#name#n#0#



To stop the Delay Timer

- (Main Unit) #11#0#
- (Slave Unit) #63#name#0#



NOTE:

- The socket is set to the correct state when the Delay Timer starts. For example, if the socket is on when a *turn on after 60 minutes* delay is initiated, the socket is first turned off.
- If the Delay Timer is stopped, the socket state is not changed.

*Search for YOYOPower on the App StoreSM or Google PlayTM

Temperature Control

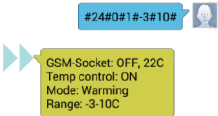
Temperature control provides a thermostat feature to control a heater or cooling equipment. The available range is -10°C to +50°C.

To use Temperature Control via the YOYOPower App:

1. Tap against the YOYOPower unit to configure.
2. Tap **Temp Control** .
3. Enter the required temperature range.
4. Select **warming mode** to control a heater or **cooling mode** to control a chiller.
5. Tap **OK** and wait for the confirmation SMS. Temperature control is now enabled.
6. Disable or enable Temperature control by tapping or .

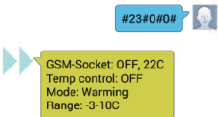
To set up & enable Temperature Control via SMS, send:

- (Main Unit) `#24#0#Mode#LowTemp#HighTemp#`
- (Slave Unit) `#67#name#Mode#LowTemp#HighTemp#`



To disable Temperature Control, send:

- (Main Unit) `#23#0#0#`
- (Slave Unit) `#66#name#0#`



To enable Temperature Control, send:

- (Main Unit) `#23#0#1#`
- (Slave Unit) `#66#name#1#`

NOTES:

- Mode 1 (warming) turns on the socket when temperature is lower than LowTemp and turns off when higher than HighTemp.
- Mode 2 (cooling) turns on the socket when temperature is higher than HighTemp and off when temperature falls below LowTemp.
- The Temperature Sensor must be connected to YOYOPower.
- The setting is saved. To change it, repeat the set-up procedure and the old setting is overwritten.

Alerts

Temperature Alert

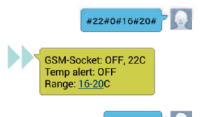
YOYOPower alerts by SMS if the temperature is outside a given range, configurable between -10°C and +50°C.

To use Temperature Alert via the YOYOPower App:

1. Select the YOYOPower unit to configure and tap .
2. Tap **Temp Alert** .
3. Enter the required temperature range.
4. Tap **OK** and wait for the confirmation SMS. Temperature alert is now enabled.
5. Disable or enable Temperature Alert by tapping or .

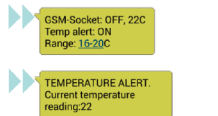
To set up & enable Temperature Alert via SMS, send:

- (Main Unit) `#22#0#LowTemp#HighTemp#`
- (Slave Unit) `#69#name#LowTemp#HighTemp#`



To enable Temperature Control, send:

- (Main Unit) `#21#0#1#`
- (Slave Unit) `#68#name#1#`



To disable Temperature Control, send:

- (Main Unit) `#21#0#0#`
- (Slave Unit) `#68#name#0#`

Other alerts

YOYOPower sends SMS alerts of various other situations. You can set which alerts to receive – see *Complete Command List - OTHER ALERTS*

Socket On/Off alert

By default, YOYOPower sends an SMS to Master and Users when a socket is turned on or off via the Manual button (Main Unit or Slave Unit).

AC Power loss alert

YOYOPower Main Unit sends an SMS alert if the AC power is lost and when it returns. This alert applies only to the Main Unit.

Weak GSM signal alert

YOYOPower Main Unit attempts to send an SMS to warn you that the GSM signal is weak. (The signal must still be strong enough to send the SMS, so the feature cannot alert of lost or very low strength).

Master and Users

The Master is the mobile phone that first commands YOYOPower GSM Main Unit using the app or by sending command #00#. The Master can change settings and has full control over YOYOPower.

The Master can add up to 4 Users who can turn the socket on and off and get some status information. Users may interact by SMS or use the YOYOPower app.

NOTE: Users will receive error messages when attempting to change settings.

To set up and manage users:

- Tap against the YOYOPower unit to configure, tap **Advanced Settings** and then **Users** .

or

- Use the SMS commands in the table *Complete Command List - MASTER & USER MANAGEMENT*.

YOYOPower – Complete Command List

Key:

- **M** indicates the command for a Main unit
- **S** indicates the command for a Slave unit. Replace name with the name of the unit you want to control.
- **U** means that a User may access the command. (Master may access all commands)
- ON or OFF in capitals shows the default setting.

TURN SOCKET ON AND OFF

Turn on socket	M	#01#0#	U
	S	#61#name#	U
Turn off socket	M	#02#0#	U
	S	#62#name#	U
Turn on all sockets		#01#	
Turn off all sockets		#02#	

GET STATUS

Summary of Main Unit and connected Slaves		#07#	U
		#70#	
Individual unit status	M	#07#0#	U
	S	#07#name#	
GSM signal strength (max = 31)	M	#27#	

SCHEDULE CONTROL

Define schedule	M	#20#0#Day#OnTime#OffTime#	
	S	#65#name#Day#OnTime#OffTime#	
Check schedule	M	#33#	U
	S	#64#name#	U
Schedule Control - OFF	M	#19#0#0#	
	S	#64#name#0#	
Schedule Control - on	M	#19#0#1#	
	S	#64#name#1#	

Day: 0 - Every day; 1 - Monday; 2 - Tuesday; 3 - Wednesday; 4 - Thursday; 5- Friday; 6 - Saturday; 7 - Sunday; 8 - Monday to Friday; 9 - Weekend (Saturday & Sunday). Time: 4 digits in 24 hour clock eg. 0030, 2145.

DELAY CONTROL

Turn socket on after n minutes	M	#12#0#n#1#	
	S	#63#name#n#1#	
Turn socket off after n minutes	M	#12#0#n#0#	
	S	#63#name#n#0#	
Check Delay Control	M	#34#	U
	S	#63#name#	U
Stop Delay Control	M	#11#0#	
	S	#63#name#0#	

TEMPERATURE CONTROL

Set range and mode (warming control)	M	#24#0#1#LowTemp#HighTemp#	
	S	#67#name#1#LowTemp#HighTemp#	
Set range and mode (cooling control)	M	#24#0#2#LowTemp#HighTemp#	
	S	#67#name#2#LowTemp#HighTemp#	
Check range and mode	M	#32#	U
	S	#66#name#	U
Temperature Control - OFF	M	#23#0#0#	
	S	#66#name#0#	
Temperature Control - on	M	#23#0#1#	
	S	#66#name#1#	

TEMPERATURE ALERT

View current temperatures		#07#	U
Set temperature range	M	#22#0#LowTemp#HighTemp#	
	S	#69#name#LowTemp#HighTemp#	
Check current temperature and alarm range	M	#35#0#	U
	S	#68#name#	U
Temperature Alert - OFF	M	#21#0#0#	
	S	#68#name#0#	
Temperature Alert - on	M	#21#0#1#	
	S	#68#name#1#	

OTHER ALERTS

SMS when Manual button used - off	#03#0#
SMS when Manual button used - ON	#03#1#
SMS when power lost/returns* - off	#05#0#
SMS when power lost/returns* - ON	#05#1#
SMS alert to users - OFF	#16#0#
SMS alert to users - on	#16#1#
SMS when GSM signal is weak - OFF	#27#0#
SMS when GSM signal is weak - on	#27#1#
SMS when Temperature Control enabled - off	#37#0#
SMS when Temperature Control enabled - ON	#37#1#
SMS when Schedule Control enabled - off	#38#0#
SMS when Schedule Control enabled - ON	#38#1#

* GSM Main Unit only. No power loss/return detection for Slave Units.

MASTER & USER MANAGEMENT

Set as Master (new / after factory reset)	#00#
Change Master number	#14#NewNumber#
Add user	#06#UserNumber#
View users	#06#
Delete user	#15#UserNumber#
Delete all users	#15#

SLAVE UNIT MANAGEMENT

Add new Slave Unit with name	#60#name#
Remove (disconnect) Slave Unit	#71#name#
Remove (disconnect) all Slave Units	#71#

OTHER COMMANDS

Voice call to switch socket on/off - off	#09#0#
Voice call to switch socket on/off - ON	#09#1#
Reset to default settings (Factory reset)*	#08#Password#
Change password (default 1234)	#04#OldPassword#NewPassword#
SMS response language - english	#39#0#
SMS response language - SWEDISH	#39#1#

*Main unit only

Factory Reset

- Press and hold the Manual button for 5 seconds until you hear a long bleep.
- or
- (Main Unit only) send `#08#Password#`

NOTE: Resetting the Main Unit does not reset the attached Slave units.

YOYOPower Troubleshooting Guide

The status indicators are off / no response to operations

- Check that there is power at the outlet in to which YOYOPower is plugged
- Try a Factory Reset
- Check the SIM Card is correctly inserted
- Contact YOYOMotion for support

Status indicator flashing fast continuously (Main Unit)

- No SIM Card installed or not fully inserted - check the SIM card is correctly installed
- Put the SIM card in a mobile phone and test it

Status indicator flashing slowly (Main Unit)

- GSM coverage too weak – try YOYOPower GSM Control in a different location
- PIN set on SIM card – place SIM in to a mobile phone and switch off SIM PIN
- Check SIM Card works in a mobile phone

Manual button does not switch socket on or off

- Hold the button for a second - a short press is not enough
- Wait for YOYOPower GSM Control to find the mobile network

No SMS response from YOYOPower (may be responding to commands)

- Check SIM card has credit
- Check the phone is registered as Master or User and is using a valid command

YOYOPower responds “Master number already registered”

- Another mobile number is the master. Ignore this if you are a User setting up the YOYOPower app.
- Ask the Master to send `#14#NewNumber#` to change the Master number
- Perform a Factory Reset and configure YOYOPower again.

Status indicator flashing slowly (Slave Unit)

- 433MHz signal from GSM Control too weak – try moving the units closer together
- Interference from other radio devices nearby – move away from them

Socket unexpectedly switches on or off

- Check the control mode by getting status; change mode and settings if necessary
- Disable on/off control by voice call (send `#09#0#`) in case voice calls or wrong number calls are causing unwanted on/off switches

Important Information

Please read this information before using your YOYOPower.

Battery

- YOYOPower Main Unit contains a small power reserve so that it can send and SMS when power is lost.
- The transmitter in YOYOPower remains active for a while after it has been unplugged.

Safety and Usage Guidelines

- Read the terms and conditions for your SIM card and mobile operator service.
- When inserting or removing the SIM card, do not touch the gold connectors.
- Treat your YOYOPower carefully; store it safely and do not drop or throw it.
- Do not expose your YOYOPower to dust, liquid, moisture or humidity.
- Do not use or store your YOYOPower at extreme high or low temperatures.
- Do not expose your YOYOPower to naked flames, lit tobacco products or other heat sources.
- Do not use your YOYOPower in hospitals or near medical equipment.
- If you have personal medical devices such as a pacemaker, consult your physician and the manufacturer for advice.
- Do not use your YOYOPower in aircraft or in any place where use of radio transmitters is prohibited.
- Do not use your YOYOPower in places where a potentially explosive atmosphere is present.
- Do not use YOYOPower in proximity to car airbags.
- Do not attempt to take your YOYOPower apart; there are no user-serviceable components inside the product.
- Do not allow children to play with your YOYOPower; small parts such as SIM cards could be detached and represent a choking hazard.
- For optimum performance do not cover your YOYOPower; position it with good access to the mobile signal.
- You should not rely on any voice call capability that your YOYOPower provides for emergency or essential communications.

Disposal and Recycling

- Do not dispose of your YOYOPower with normal household waste.
- Dispose of your YOYOPower at an appropriate collection point for electronic equipment.
- For more information, contact your local authority, your household waste collection depot or the retailer where you bought your YOYOPower.

EU Regulatory Conformance

English: We fulfil the requirements of the R&TTE Directive (99/5/EC). **Česky:** Výrobek splňuje požadavky směrnice R&TTE (99/5/EC). **Dansk:** Vi opfylder kravene i R&TTE-direktivet (99/5/EC). **Deutsch:** Die Anforderungen der Richtlinie für Funk- und Fernmeldegeräte (99/5/EG) werden erfüllt. **Español:** Cumplimos los requisitos de la Directiva R&TTE (99/5/EC). **Français:** Ce produit est conforme à la directive R&TTE (99/5/EC). **Hrvatski:** Mi ispunjavamo zahtjeve R&TTE Direktive (99/5/EC). **Italiano:** Il prodotto soddisfa i requisiti della Direttiva R&TTE (99/5/EC). **Magyar:** Teljesítiük az R&TTE irányelv (99/5/EC) követelményeit. **Nederlands:** We voldoen aan de vereisten die in de R&TTE-richtlijn (99/5/EG) worden gesteld. **Norsk:** Vi oppfyller kravene i R&TTE-direktivet (99/5/EC). **Polski:** Spełniamy wymagania dyrektywy R&TTE (99/5/WE). **Português:** São cumpridos os requisitos da Directiva R&TTE (99/5/EC). PB Atendemos aos requisitos da Diretriz R&TTE (99/5/EC). **Română:** Îndeplănim cerințele directivei R&TTE (99/5/EC). **Slovenčina:** Výrobok spĺňa požiadavky smernice R&TTE (99/5/EC). **Suomi:** Täytämme radio- ja telepäätteläitedirektiivin (99/5/EY) asettamat vaatimukset. **Svenska:** Vi uppfyller kraven i R&TTE-direktivet (99/5/EC). **Ελληνικά:** Πληρούμε τις απαιτήσεις της Οδηγίας R&TTE (99/5/EK).

