



## REQUIREMENTS FOR DIRECT DATA EXCHANGE TO SUNNY PORTAL AND SUNNY PLACES USING SUNNY HOME MANAGER AND WEBCONNECT DEVICES

The direct data exchange of information from Webconnect devices and Sunny Home Manager to Sunny Portal and Sunny Places requires a network with Internet access and a DSL router. In order to prevent potential communication issues between the devices and their communication the Internet, it is advised to meet the following hardware and network specifications.

### Requirements:

- Routers, switches and any other communication device located between the SMA device and the internet need to support the SIP and STUN protocol.
- Routers, switches and any other communication device located between one SMA device and another SMA device needs to support IGMP v3.0/Multicast protocol.
- Router/switch needs to forward multicast telegrams with destination address 239.0.0.0 to 239.255.255.255.
- Where relevant, Bluetooth in inverters should be deactivated by adjusting the net ID dial to "0".
- IGMP snooping should be deactivated.
- On the router, all UDP ports > 1024 must be open for outgoing connections
- The outgoing router connections must be enabled for all Internet destinations (target IP, target port). If there is a firewall installed on the router, you may have to adjust the firewall rules.
- In routers with NAT (Network Address Translation), no port forwarding should be set up to prevent potential communication problems.
- There must be no packet manipulation/filtering of SIP packets in the router/switch.
- There must be no proxy server located on the network.
- If UMTS is used, VoIP (Voice over IP) is required to use the Webconnect function. Ensure the UMTS provider can also provide a VoIP service

For more information on how to correctly connect inverters with Webconnect directly to Sunny Portal and Sunny Places, please review installation and operation manuals for the monitoring products at:

<http://www.sma-australia.com.au/products/monitoring-control.html>