



Made for minds.

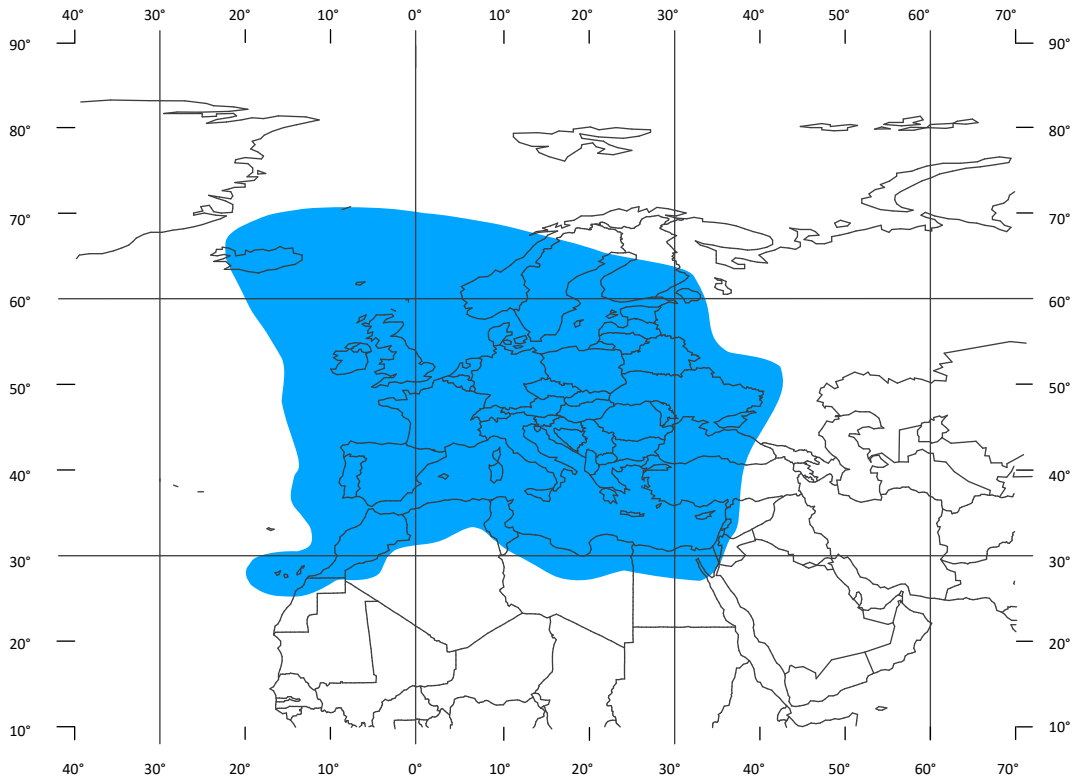
# ASTRA 1M

## TV Program – DW English HD

Direct-to-Home



Position	19,2° East
Transponder	68
Frequency	11.778 GHz
Polarization	vertical
FEC	9/10
Symbolrate	29.500 MSymbols/s
Modulation	QPSK
DVB Standard	DVB-S2
Video Compression	h.264 (1920*1080 / 50i)
Audio Compression	MPEG-1/Layer 2
Encryption	-
Additional Data Services	-
TV Channel	DW English HD
Radio Channel	-



Reception may be possible even beyond these contours

0.6 m

Diameter of satellite receiving antenna in meter  
(approximate values) for Direct-to-Home

Important technical remark: The diameters of the antennas are calculated for perfect weather conditions (clear sky), assuming perfectly aligned high quality antennas. Commonly used wire mesh antennas have a lower efficiency than solid dishes. To secure the reception, it is advisable to generally choose a diameter about 20% larger.  
All information may be subject to change. | As of March 2019 | [dw.com/programguide](http://dw.com/programguide)