



TECHNICAL REQUIREMENTS FOR WESTWOOD ONE X-DIGITAL (XDS) DOWNLINK

Includes Westwood One News, CBS Sports Radio, CNBC, Gordon Deal, Market Scoreboard, Your Money Now, Mark Levin, Michael Savage, Phil Valentine, certain 24-hour music formats and Satellite Services syndicators, among other programming

These Westwood One products and services are fed on satellite SES-11 at 105 degrees West Longitude, on Transponder 17, Vertical polarization.

XDS Receiver Frequency: 01121000 kHz (1121.0 MHz)
9259574 sps (symbols per second)
Rate 3/4 FEC (Forward Error Correction)

To receive these programs, your station will need:

1. Satellite Dish: We recommend a solid dish of at least 3.8 meters in diameter.

| | |
|--------------------|----------------|
| DawnCo | (248) 391-9200 |
| DH Satellite | (608) 326-8406 |
| Superior Satellite | (406) 257-9590 |

2. LNB: You must use a C-band Phase-Locked Loop (PLL) LNB. Local oscillator stability +/- 25 kHz or tighter. Noise temperature 45°K or less. Gain 55 to 70 dB.

| | |
|-----------------|----------------|
| Dawn Satellite: | (248) 391-9200 |
| Norsat: | (604) 292-9000 |

3. Receiver: X-Digital (XDS) Pro-4 or Pro-4Q
(Often supplied by your network or syndicator)

May also be purchased from:
Broadcasters General Store, buck@bgs.cc or (352) 622-7700
Orbital Media Networks (OMNi) (303) 925-1708
(formerly Clear Channel Satellite Services)

Self-start documents are at <http://myxdsreceiver.westwoodone.com> . Mouse over the Help menu, no password required. For other questions, please contact Westwood One XDS Technical Services at (914) 908-3210 or techservices@westwoodone.com