

## DD 2400

### PROFESSIONAL SIGNAL METER



**DOLBY**  
DIGITAL PLUS

- DVB-S/S2, DVB-T/T2, DVB-C Demodulation and analysis
- High-resolution 7-inch TFT-LCD screen
- High quality DSP Spectrum from 50-2200MHz with 50dB of onscreen dynamic range
- Supports HEVC(H.265), H.264 and MPEG2 decoding, SD & HD
- Single F Male connector input featuring a fully automatic attenuator with channel power of up to 120dB $\mu$ V in 5dB steps
- Measures Channel power, Noise margin, MER, CBER, VBER, TS Errors, Constellation
- RF power supply from 5 to 24V, in 1V steps
- Supports DiSEqC 2.0, SatCR and dCSS
- Special spectrum modes (Max Hold, Spectrogram) for interference detection and LTE Measuring
- Efficient and user friendly User Interface
- Full TS recording to external USB drive
- Standard 6h battery life per charge
- Supports automatic adjustment of screen brightness
- Supports spectrum + TV decoding, and spectrum + MPEG information simultaneously
- Standby mode for instant power on
- Multi-function wheel navigation
- Screen capture to external USB drive with a dedicated button
- SAT support, TP update separately via USB or FTP (WiFi)
- Firmware updates through USB or FTP (WiFi)
- EAC3 Dolby DD + codec

| TECHNICAL INFORMATION         |                                                                                                                   |                                                                                          |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Display type                  | 7-inch TFT LCD                                                                                                    |                                                                                          |
| Display resolution            | 1024*600                                                                                                          |                                                                                          |
| Lithium battery               | 7.4 V 7800 mAh 57.7 Wh                                                                                            |                                                                                          |
| RF Input                      | F Male connector,75 Ω                                                                                             |                                                                                          |
| Video/Audio output            | HDMI Output                                                                                                       |                                                                                          |
| External Units Power supply   |                                                                                                                   |                                                                                          |
| Satellite band                | 0 V, 5 ~ 24 V (Steps1 V)                                                                                          |                                                                                          |
| 22KHz singal                  | Selectable in Satellite Band                                                                                      |                                                                                          |
| DiSEqC generator              | DiSEqC 1.0/1.1/2.0                                                                                                |                                                                                          |
| Terrestrial Band              | 0 V, 5 ~ 24 V (Steps1 V)                                                                                          |                                                                                          |
| Battery Operation Time        | 6 hours                                                                                                           |                                                                                          |
| Power off current             | <2 mA                                                                                                             |                                                                                          |
| VIDEO DECODING                |                                                                                                                   |                                                                                          |
| DECODING                      | MPEG1, MPEG-2 MP@ML, H.264, VC1, DV, MPEG-4, H.265 (1080p@60fps), EAC3 Dolby DD + codec                           |                                                                                          |
| AUDIO DECODING                |                                                                                                                   |                                                                                          |
| DECODING                      | MPEG-2 layer I and II (Musiccam), MPEG4 AAC                                                                       |                                                                                          |
| OUTPUT MODE                   | Mono, Dual Channel, Stereo, Joint Stereo                                                                          |                                                                                          |
| METER NAVIGATION MODE         |                                                                                                                   |                                                                                          |
| Satellite                     |                                                                                                                   |                                                                                          |
| Frequency Range               | 950~2150MHz                                                                                                       |                                                                                          |
| Support Measurement parameter | Channel power, Noise margin, MER, CBER, VBER, TS Errors, Constellation                                            |                                                                                          |
| Symbol rate                   | 1 ~ 55 MS/s                                                                                                       |                                                                                          |
| Resolution                    | 0.1 dB                                                                                                            |                                                                                          |
| Accuracy                      | ±1.8 dB                                                                                                           |                                                                                          |
| MER range                     | >25 dB                                                                                                            |                                                                                          |
| Power range                   | 20~120 dBμV                                                                                                       |                                                                                          |
| Demodulation                  | DVB-S/S2 QPSK, 8PSK, 16APSK, 32APSK, ACM / VCM                                                                    |                                                                                          |
| Terrestrial                   |                                                                                                                   |                                                                                          |
| Frequency Range               | 51 ~ 1000 MHz                                                                                                     |                                                                                          |
| Support Measurement parameter | Channel power, Noise margin, MER, CBER, VBER, TS Errors, Constellation                                            |                                                                                          |
| Bandwidth                     | 6 MHz, 7 MHz, 8 MHz                                                                                               |                                                                                          |
| Resolution                    | 0.1dB                                                                                                             |                                                                                          |
| Accuracy                      | ±1.8 dB                                                                                                           |                                                                                          |
| MER range                     | >35 dB                                                                                                            |                                                                                          |
| Power range                   | 30~120 dBμV                                                                                                       |                                                                                          |
| Demodulation                  | DVB-T/T2 COFDM                                                                                                    |                                                                                          |
| Cable                         |                                                                                                                   |                                                                                          |
| Frequency Range               | 51 MHz ~ 1000 MHz                                                                                                 |                                                                                          |
| Support Measurement parameter | Power, CBER, VBER, MER, Constellation                                                                             |                                                                                          |
| Symbol rate                   | 6 MS/s                                                                                                            |                                                                                          |
| Resolution                    | 0.1 dB                                                                                                            |                                                                                          |
| Accuracy                      | ±1.8 dB                                                                                                           |                                                                                          |
| MER range                     | >35 dB                                                                                                            |                                                                                          |
| Power range                   | 30~120 dBμV                                                                                                       |                                                                                          |
| Demodulation                  | DVB-C QAM,J83 Annex C QAM                                                                                         |                                                                                          |
| SPECTRUM NAVIGATION MODE(DSP) |                                                                                                                   |                                                                                          |
| Frequency Range               | Terrestrial & Cable:50 ~ 1000 MHz<br>Satellite: 900 ~ 2200 MHz                                                    |                                                                                          |
| Reference Level               | Terrestrial & Cable: 60 ~ 110 dBμV in 5 dB steps<br>Satellite: 60 ~ 110 dBμV in 5dB steps                         |                                                                                          |
| Accuracy                      | ±1.8 dB                                                                                                           |                                                                                          |
| Span                          | Terrestrial & Cable: 10, 20, 50, 100, 200, 500, 950 MHz<br>Satellite: 10, 20, 50, 100, 200, 500, 1200 MHz         |                                                                                          |
| RBW                           | Terrestrial & Cable: 36, 72, 145, 291, 583, 1166 KHz<br>Satellite: 100 KHz, 200 KHz, 500 KHz, 1 MHz, 2 MHz, 5 MHz |                                                                                          |
| FFT/Sample Size               | 1024 Points                                                                                                       |                                                                                          |
| INTERFACE                     |                                                                                                                   |                                                                                          |
| Left side interface           | HDMI 1.4A                                                                                                         |                                                                                          |
|                               | USB 2.0 (MAX 1 A)                                                                                                 |                                                                                          |
|                               | RS232                                                                                                             |                                                                                          |
|                               | DC IN                                                                                                             |                                                                                          |
| Top interface                 | TUNER                                                                                                             | 3 tuners in 1(DVB-S/S2, DVB-T/T2, DVB-C)                                                 |
| Buttons on panel              | 4 LED lights                                                                                                      | On /Off, Charge, Lock, RF Power                                                          |
|                               | 24 Buttons                                                                                                        | (TV, Spectrum, Meter, Options, Menu, Band, Up, Down, Left, Right, Enter, Esc, 0-9 Power) |
| Housing (cabinet)             | Dimensions                                                                                                        | 269 mm (L) x 187 mm (W) x 62.5 mm (H)                                                    |
| Accessories                   | Adapter                                                                                                           | 15 V-2,5 A                                                                               |
|                               | Car charger                                                                                                       | Yes                                                                                      |
|                               | Carrying bag                                                                                                      | Included (space for tools and pocket)                                                    |
|                               | F female to female connector                                                                                      | Yes                                                                                      |