

FlexStar HDE-200

Quick Guide



HEADPHONE JACK
Low or high impedance headphones can be used to listen to the current source, which is set by the Monitor Select button

DUAL ROW DOT MATRIX DISPLAY
Shows an audio signal name in the top row and its signal level in the bottom row. Alternately displays fault or operational messages, delay status or headphone level.

MONITOR SELECT
(Main In, MPS In, Main out, MPS Out)
Selects the source for the Display, the Headphone jack and the REF MON output

DELAY CONTROLS
(Diversity Delay & Profanity Delay)
SELECT sets which Delay is shown in the Display. The DELAY buttons (▽ △) both show the current delay status and can Ramp the delay Up (△) or Down (▽).

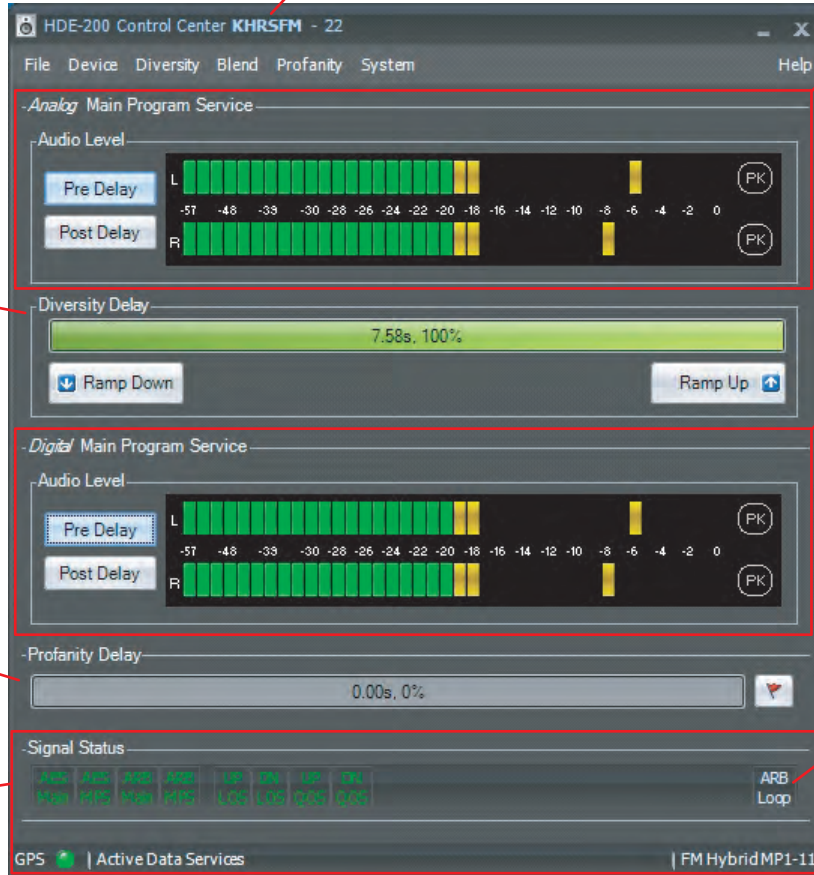


FAULT
The button blinks if a Fault is detected. When pressed, shows Fault status in the display.

HP VOLUME
Press Up (△) to raise the headphone output and Down (▽) to lower the output. The display shows a bargraph level.

HDE-200 exporter control center

NAME OF THE ACTIVE HDE-200 EXPORTER



DIVERSITY DELAY STATUS & RAMP CONTROL
Press Ramp Down to ramp out of Diversity Delay. Press Ramp Up to ramp into Diversity Delay. The bar shows current delay setting, its percentage of Delay and its status.

PROFANITY DELAY STATUS
Shows the status of the optional Profanity Delay.

DEVICE STATUS
Shows the status of various HDE-200 audio signals, Ethernet, GPS lock. Green is good, red is bad.

THE ANALOG TRANSMISSION CHAIN AUDIO SIGNAL
Select between Pre-Delay (Main In) and Post-Delay (Main Out)

THE DIGITAL TRANSMISSION CHAIN AUDIO SIGNAL
Select between Pre-Delay (MPS In) and Post-Delay (MPS Out)

ARBITRON PPM
Shows whether the Arbitron PeopleMeter connection is active or bypassed.

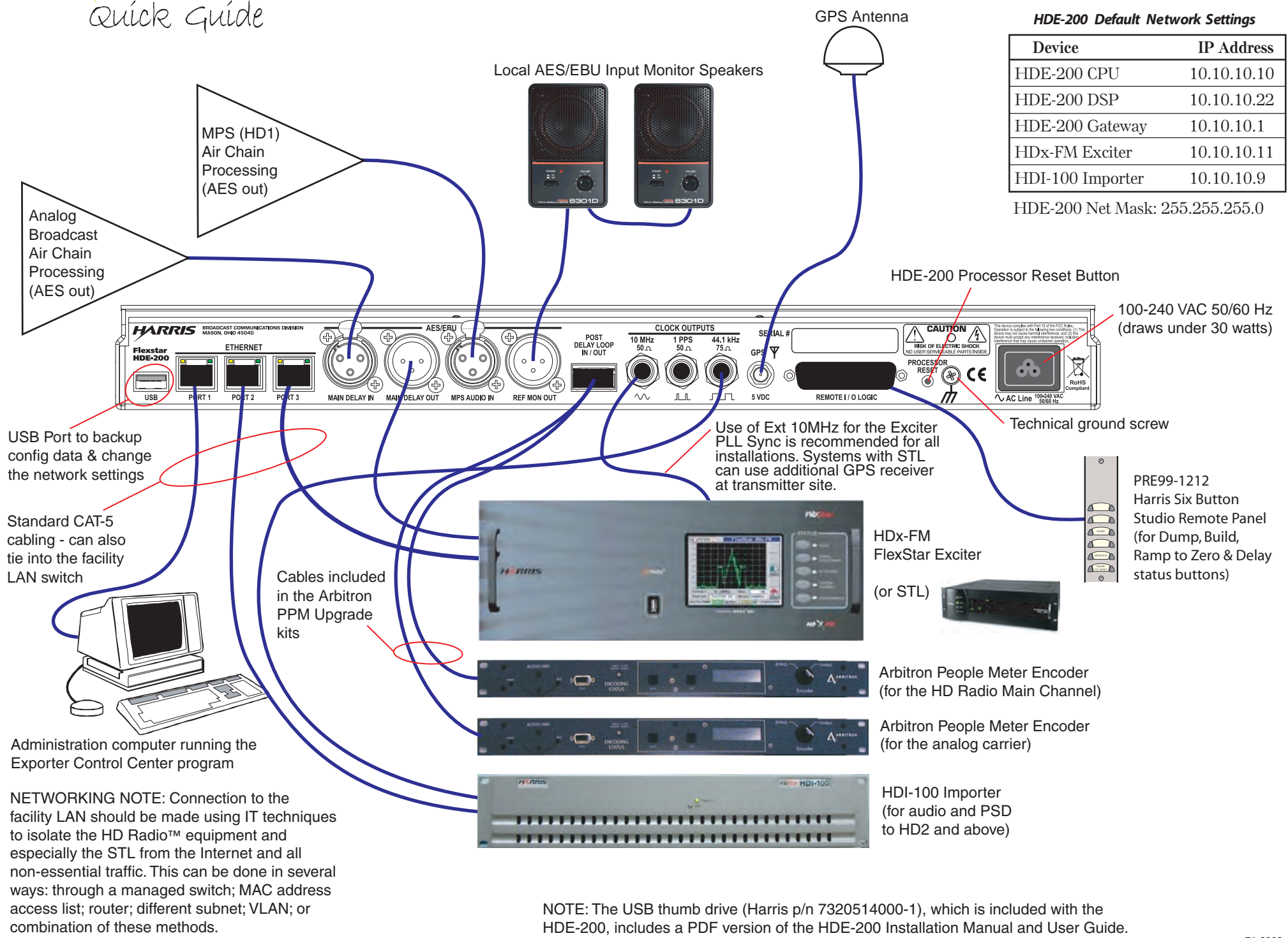
HD RADIO MODE
Shows the active mode for the HD Radio codec.

HARDWARE CONNECTION SUMMARY

HDE-200 Default Network Settings

Device	IP Address
HDE-200 CPU	10.10.10.10
HDE-200 DSP	10.10.10.22
HDE-200 Gateway	10.10.10.1
HDx-FM Exciter	10.10.10.11
HDI-100 Importer	10.10.10.9

HDE-200 Net Mask: 255.255.255.0



Analog Broadcast Air Chain Processing (AES out)

MPS (HD1) Air Chain Processing (AES out)

USB Port to backup config data & change the network settings

Standard CAT-5 cabling - can also tie into the facility LAN switch

Administration computer running the Exporter Control Center program

NETWORKING NOTE: Connection to the facility LAN should be made using IT techniques to isolate the HD Radio™ equipment and especially the STL from the Internet and all non-essential traffic. This can be done in several ways: through a managed switch; MAC address access list; router; different subnet; VLAN; or combination of these methods.

Local AES/EBU Input Monitor Speakers

GPS Antenna

HDE-200 Processor Reset Button

100-240 VAC 50/60 Hz (draws under 30 watts)

Use of Ext 10MHz for the Exciter PLL Sync is recommended for all installations. Systems with STL can use additional GPS receiver at transmitter site.

Technical ground screw

PRE99-1212 Harris Six Button Studio Remote Panel (for Dump, Build, Ramp to Zero & Delay status buttons)

HDx-FM FlexStar Exciter (or STL)

Arbitron People Meter Encoder (for the HD Radio Main Channel)

Arbitron People Meter Encoder (for the analog carrier)

HDI-100 Importer (for audio and PSD to HD2 and above)

NOTE: The USB thumb drive (Harris p/n 7320514000-1), which is included with the HDE-200, includes a PDF version of the HDE-200 Installation Manual and User Guide.