DXD-8 - FEATURE KEYS

Congratulations on purchasing a Brainstorm Electronics DXD-8 Universal Clock. Three firmware options are available for the DXD-8:

- DXD8/PTP: includes PTP v1, used by Dante networks, and PTP v2;
- DXD8/AVB: used by MILAN networks;
- DXD/LTC: enables the DXD time code generator

These are activated by entering the unique Feature Key in menu 11.5. Feature Keys are made up of 4 groups of numbers, separated by a period and are unique for each serial number.

| 11.5 FE | ATUR | RE KE | YS | |
|------------|-------|-------|----|----|
| PTP: | 12 30 | | 7 | 98 |
| AVB: | 0 | 0 | 0 | 0 |
| TIME CODE: | 5 | 4 | 29 | 61 |
| | | | | |
| | | | | |

To activate your firmware option:

- Press the SET UP button (Set Up LED will turn on)
- Scroll down to Menu Group 11: UTILITY
- Press the RIGHT button and scroll down to menu 11.5 FEATURE KEYS
- Press the RIGHT button
- Using the UP and DOWN buttons, then the RIGHT button, enter each key on the proper line.
- Press the ENTER button to save those entries.
- Confirm by pressing the UP button when prompted.

This procedure only needs to occur once. The DXD-8 will remember these Feature Keys, even after firmware updates are performed.

To view all the installed options, go to the UNIT INFORMATION Status page and scroll down:

| • | UNIT IN | NFORMATION | Þ |
|-------|---------------|------------|---|
| Versi | ons: | | |
| | Software: | 219 | |
| | Logic | 117 | |
| | Webpage: | 000 | |
| Insta | lled Options: | | |
| | DXD/GPS: | No | |
| | DXD/OCXO: | No | |
| | DXD8/PTP: | Yes | |
| | DXD/AVB: | No | |
| | DXD/LTC: | Yes | |

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With firmware 3.00 and later, feature keys can also be entered via the web browser.

To install Feature Keys, go to the Feature Keys section on the Name/GPIO/Presets/Keys page. Using the arrow key, select the paper value for each field and press the SET button. Alternatively, you can click in a field and enter the number by using the computer keyboard, then press the SET button. When a new value is entered, the background turns yellow until the SET button is pressed. A message will ask for confirmation before sending it to the unit.

| | brainstorm Electronics X | Ŧ | | | | |
|--------------------------|-------------------------------|----------------|-------------------|---------|-----------------------------------|-----------------------|
| → C C | 2 192.168.1.148/setup_8_ | misc.html | Ē | 30% 公 | Q Search | ☑ ź |
| BRAINSTORN | 4 | | | | | |
| <u>Eiectronic</u> | | | | к | | |
| | Name: DXD-8 | un 1076 Serial | No: 1076 | Locat | ion: Main rack | |
| | HEF: PTP | LOCKED | PTP SLAVE | GPS | Not installed | |
| | | Name / GPIO | / Presets / Keys | | | |
| Name & Location Setup | | | | | | |
| NAME & LOCATION Name: | DYD-8 c/o 1076 | | Prese | t 1 Pro | set 2 X Preset 3 X Preset | 4 Preset 5 |
| Location: | Main rack | | Preset | 6 Pre | set 7 Y Preset 8 Y Preset : | 9 Preset 10 |
| | (16 characters maxin | num) | Preset Setup | | | |
| (00)0 Patra | |) | PRESET 1 Prese | Action: | SET | CALL DELETE |
| GPIO's are not available | for this device. |) | Nama | | | |
| | | | Name | | (8 characters maxim. | (mi |
| | | | <u> </u> | | | |
| | | | Feature Key Setu | | | |
| | | | PTP: | 3 | 26 🗸 14 🗸 | 53 v 12 v Set |
| | | (| AVB: | | 19 × 45 × | 12 × 8 × Set |
| | | (| | | Note: AVB requires b | oth AVB and PTP keys. |
| | | ``` | TIME | CODE: | 74 🗸 35 🗸 | 77 ¥ 5 ¥ Set |
| | | | | | C | ancel |
| | | | | | | |
| | | | | | | |

To verify which options have been installed, look at the INSTALLED OPTIONS section of the home page.

| | | | | | 80% | 23 | Q Search | | 0 | 2 |
|--|-------------|--------------|-----------|------------------|-------|----------|------------|---------------|-------|-----------------|
| BR | AINST | DRM | | | | | | | | |
| | | | DXD-8 UNI | VERSAL CLO | ск | | | | | |
| Name: DXD-8 s/n 1078 Serial No: 1078 Location: Main rack | | | | | | | | | | |
| | | nur, e te | LOCKE | D / PTP SLAVE | | GF3. N | ormstalled | | | |
| | | | | Home | | | | | | |
| _ | | | | TIONE | | | | | | |
| Rer | EHENCE SOUP | RES OTO Mode | | System Time | | | 00,02,10 | | | |
| | LCL | (not in use) | NET | SYSTEM TIME | - | | 22.25.19 | JUI 4, 2023 | Local | , |
| | LOL | (100 11 400) | | Unit Information | | _ | | | _ | |
| PTP | PORT | | | Versions: | | | | | | |
| | | SLAVE | | | Softw | are | 300 | | | $\overline{\ }$ |
| \square | | | | | Webp | age | 100 | | | |
| OUT | IPUTS | | | Installed Optic | ons: | | | | | |
| ſ | 1 & 2 | 1080i/29.97 | VID | | DXD/ | OCXO | NO | | | |
| | 3 & 4 | 1080p/29.97 | VID | N | DXDE | VPTP | Yes | | | |
| | | 192000 | wc | | DXD/ | AVB | Yes | | | |
| | | 14400 | | | DXD/ | LTC | Yes | | | / |
| | 7 & 8 | 44100 | AES | PTR Clock ID: | Clock | Identity | 00-40-04 | T-fo 80-c4-24 | | |
| | | | | | Oluch | ournay | 00-00-04 | 110 00 04 04 | | |
| | | | | | | | | | | |
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