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### Nominal level,

가 .<sup>1)</sup> , 가 가  
 .  
<sup>2)</sup> 가 +4dBu , (Reference)  
 . 가 +4dBu , (A/D, D/A)  
 . )  
 +4dBu = -18dBFS  
 -8dBu , -8dBu(RMS) 가 가  
 +4dBu 가 <sup>3)</sup>  
 -8dBu = -18dBFS

## Line I/O

+4dBu, -10dBV  
 .  
 26dBu , 가  
 +4dBu , 22dB .  
 10dBu , 가 +4dBu ,  
 6dBu . 가 .



가,

( )

Trim

Gain 가

Gain

, Gain 가 Trim

가

Trim

=

+4dBu

SMPTE EBU

22dBu

24dBu

Reference( )

가

가

A/D

, D/A

가

가

# Tascam Celestonic 20X20

20 x 20



8dBu

-12dBu





-8dBu=-18dBFS, +10dBu=0dBFS, -8dBu, +10dBu, -8dBu, 18dBu, 가

|                       |  |
|-----------------------|--|
| <b>MIC IN</b>         | CH1 to 8, 9/10, 11/12                        |
| Connector             | XLR 3-31 (1: GND, 2: HOT, 3: COLD, Balanced) |
| Maximum Input Level   | +10dBu                                       |
| Nominal Input Level   | -8dBu  |
| Minimum Input Level   | -58dBu                                       |
| Gain Adjustable Range | 0 to 50dB                                    |
| Input Impedance       | 1.8k ohm                                     |
| Phantom Power supply  | +48V   |

22dBu, 4dBu ,

|                       |   |
|-----------------------|---|
| <b>LINE IN</b>        | CH1 to 8, 9/10, 11/12   |
| Connector             | 1/4" (6.3mm) TRS Phone jack (T: HOT, R: COLD, S: GND, Balanced) |
| Maximum Input Level   | +22dBu  |
| Nominal Input Level   | +4dBu   |
| Gain Adjustable Range | -10 to +40 dB: CH 1 to 8, +20 to +30 dB: CH 9/10 and 11/12      |
| Input Impedance       | 22k ohm   |

22dBu, 4dBu ,

|                      |  |
|----------------------|--|
| <b>MAIN OUTPUT</b>   |  |
| Connector            | XLR 3-32 (1: GND, 2: HOT, 3: COLD, Balanced) |
| Maximum Output Level | +22dBu                                       |
| Nominal Output Level | +4dBu  |
| Output Impedance     | 100 ohm                                      |

# RME Fireface UFX II

## 19. Analog Inputs

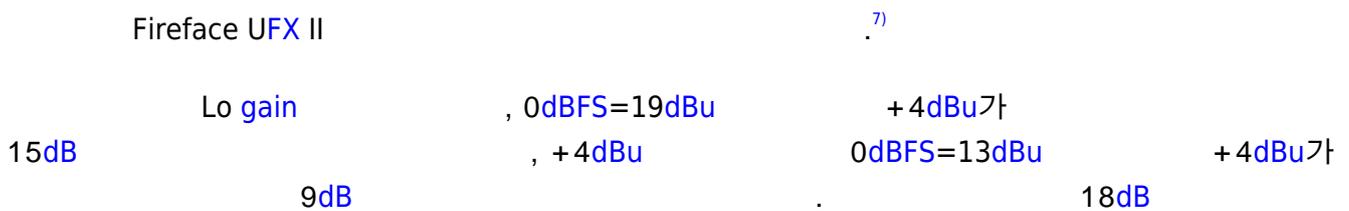
### 19.1 Line Rear

The Fireface has eight balanced Line inputs as 1/4" TRS jacks on the back of the unit. The electronic input stage is built in a servo balanced design which handles unbalanced (mono jacks) and balanced (stereo jacks) correctly, automatically adjusting the level reference.

**!** *When using unbalanced cables with TRS jacks: be sure to connect the 'ring' contact of the TRS jack to ground. Otherwise noise may occur, caused by the unconnected negative input of the balanced input.*

One of the main issues when working with an AD-converter is to maintain the full dynamic range within the best operating level. Therefore the Fireface UFX II internally uses hi-quality electronic switches, which allow for a perfect adaptation of all rear inputs individually to the most often used studio levels. The Fireface UFX II offers the following level references:

| Reference | 0 dBFS @ | Headroom |
|-----------|----------|----------|
| Lo Gain   | +19 dBu  | 15 dB    |
| +4 dBu    | +13 dBu  | 9 dB     |



## RME ADI-8QS



Roland

Reference

# Roland Octa Capture

OCTA-CAPTURE : 10 × 10 Audio Interface

|  |   |
|--|---|
| Number of Audio Record/<br>Playback Channels | Sampling Frequency = 44.1 kHz, 48 kHz, 96 kHz<br>Record: 12 channels<br>Playback: 10 channels |
|  | Sampling Frequency = 192 kHz<br>Record: 4 channels<br>Playback: 4 channels                    |
| Signal Processing                            | PC interface: 24 bits   |
|  | AD/DA Conversion: 24 bits   |
|  | Internal: 40 bits   |
| Sampling Frequency                           | AD/DA Conversion: 44.1 kHz, 48 kHz, 96 kHz, 192 kHz   |
|  | DIGITAL (IN/OUT): 44.1 kHz, 48 kHz, 96 kHz  |
| Nominal Input Level                          | Combo input jacks 1–6 (XLR type): -56 to -6 dBu   |
|  | Combo input jacks 7–8 (XLR type): -50 to +0 dBu   |
|  | Combo input jacks 1–8 (1/4 inch TRS phone type): -46 to +4 dBu                                |
| Nominal Output Level                         | OUTPUT 1–8: +0 dBu (balanced)   |
| Head Room                                    | 16 dB   |

0dBu<sup>10)</sup>가  
 0dBu=-18dBFS , = 18dBu .<sup>11)</sup>  
 , 0dBu가 , 0dBu=-18dBFS, = 18dBu .

<sup>12)</sup>

## LA-2A





14)

?

- 가 .
- 가 .

가 .

- Facebook
- Twitter
- Email

1)

2)

EBU, SMPTE

3)

ex.

4)

EBU:-18dBFS, SMPTE:-20dBFS

5)

가 /

가 .

6)

7)

가 .

8)

XLR -2dBu

9)

XLR( ) -2dBu , -2dBu=-18dBFS ,  
= 16dBu .

10)

XLR -6dBu

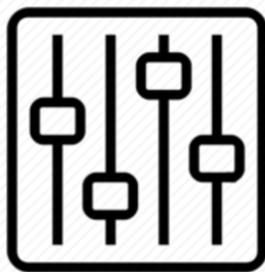
11)

XLR -6dBu , -6dBu=-18dBFS , =  
12dBu .

12)

13)

14)



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