



# CONCEPT **6i**

6 in 8 out DSP AMPLIFIER



BUKU MANUAL

[www.flux-audio.com](http://www.flux-audio.com)

## Selamat Datang

Terima kasih telah memilih FLUX CONCEPT-6i DSP amplifier yang dirancang khusus untuk memberikan performa audio terbaik di kendaraan Anda. Produk ini menggabungkan teknologi digital signal processing (DSP) dengan amplifier 8 channel, memberikan kontrol penuh dan fleksibilitas dalam tuning sistem audio mobil Anda.

## Fitur Utama

- Support 6- Channel high level, Aux, Optic, USB OTG (WA,MP3,APE)
- AKM high-performance DSPchip 269 MHz/48KHz/24bit
- Built in digital to analog conversion ADC/DAC: 10-192kHz 24 Bit
- Output 8 low-level RCA channels, 6 high-level channels
- 4CH x 50W + 2CH x 80W (4Ω, 14.4V, 1kHz, 1%THD)
- 31 band equalizer (independent per channel)
- 192kHz / 24bit music format, support mobile DSD format
- Professional Desktop PC tuning software with full function

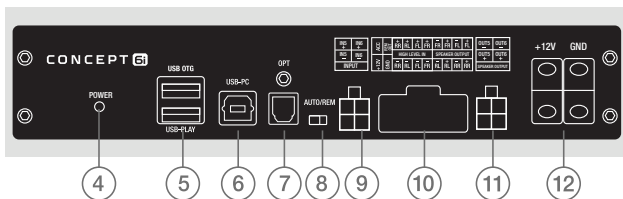
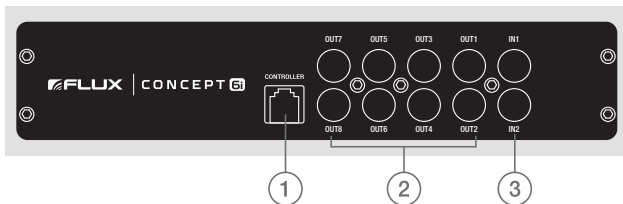
## Informasi manual

Manual ini dirancang untuk membantu Anda memahami instalasi, pengoperasian, dan pemeliharaan FLUX CONCEPT-6i. Bacalah dengan seksama untuk memaksimalkan pengalaman audio Anda serta menjaga keamanan dan keawetan produk.

## Spesifikasi Umum

Input Channel	6-channel high level, AUX, Optic (supporting 48KHz/16bit), OTG play Supports USB playback formats: (WAV MP3 APE)
High-Level Input Frequency	Each channel supports up to 6 independent input combined Freq.
Output Channel	8 channels of low-level RCA, 6 channels of high-level
Amplifier Output (Max)	D class amplifier: 4CH×50W+2CH×80W ((4Ω, 14.4V, 1kHz, 1%THD)
Signal-to-Noise Ratio(S/N)	≥98dB
Frequency Response (FR)	20Hz~20KHz
Power Supply	DC9V~17V (Support for new energy vehicles)
Output Filters	Each output is equipped with multiple independent high & low pass filters.
Signal Divider	1. Professional filtering type: Butterworth Linkwitz, Bessel. 2. Filter frequency division point: 20Hz-20KHz Resolution: 1Hz.
Equalizer Output	31 Band Independent
Computer Tuning	Windows system, XP system, USB interface, no driver required
OTG	192kHz / 24bit music format, supports mobile DSD format
Size	200 x 140 x 50mm
Weight	about 1.25 Kg

## Deskripsi Panel



1. Controller Port

2. Low Output RCA

3. Low Input RCA

4. LED Power Indicator

5. USB OTG Port

6. USB PC-Desktop (for Tuning)

7. Optical Input

8. Auto Turn On/ Selector Switch

9. High Input Channel 4 & 5

10. Power Supply, Rem In/Out,  
Hi-level in/Out

11. Speaker Output

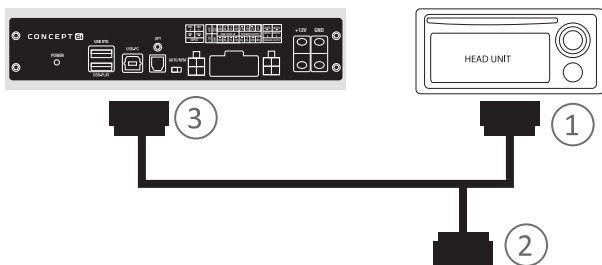
12. Power Supply Terminal

## Panduan Instalasi

### Peringatan Sebelum Instalasi

- Instalasi produk ini sebaiknya dilakukan oleh teknisi profesional untuk memastikan kinerja optimal dan menghindari kerusakan.
- Matikan seluruh sistem kelistrikan kendaraan sebelum memulai instalasi.
- Gunakan kabel dan konektor berkualitas untuk mencegah gangguan sinyal dan potensi bahaya.

## Koneksi Perangkat



- 1 Female socket dimasukkan ke dalam soket yang sesuai pada Source unit
- 2 Koneksi kabel Speaker Mobil OEM & kontrol soket lainnya
- 3 20P socket dimasukkan ke dalam soket yang sesuai FLUX CONCEPT-4i

## Pemeliharaan & Keamanan

Agar FLUX CONCEPT-6i dapat bekerja secara optimal dalam jangka panjang, penting bagi pengguna dan teknisi untuk memperhatikan aspek pemeliharaan dan prosedur keamanan berikut.

## Perawatan Rutin

1. Jaga Kebersihan Unit
  - Hindari penumpukan debu di sekitar unit.
  - Gunakan kain kering atau kuas halus untuk membersihkan bagian luar.
  - Jangan menggunakan cairan pembersih berbasis alkohol atau pelarut kimia.
2. Pastikan Sirkulasi Udara Lancar
  - Jangan menutup area pendinginan/heatsink.
  - Hindari pemasangan di ruang sempit tanpa ventilasi.
  - Hindari paparan langsung sinar matahari berlebih atau sumber panas lainnya.
3. Cek Koneksi Secara Berkala
  - Pastikan koneksi power, ground, dan speaker tetap kencang dan bersih.
  - Cek terminal agar tidak ada karat atau korosi.
  - Periksa kabel input/output untuk menghindari noise atau sinyal terputus.

## Software Download

Untuk Software Tuning bisa di download di:

[Https://www.flux-audio.com/](https://www.flux-audio.com/)

## Keselamatan Operasional

1. Hindari Tegangan Tidak Stabil
  - Pastikan tegangan kendaraan stabil).
  - Gunakan sekering sesuai anjuran untuk perlindungan
2. Jangan Menyalakan Tanpa Beban
  - Selalu hubungkan speaker yang sesuai sebelum menghidupkan unit.
  - Menghidupkan amplifier tanpa beban bisa merusak rangkaian output.
3. Lindungi dari Air & Kelembaban
  - Jangan pasang unit di area rawan bocor atau terkena cipratan air.
  - Pastikan kelembaban tidak berlebih di ruang pemasangan
4. Jika Tercium Bau Terbakar / Overheat
  - Matikan sistem audio segera.
  - Hubungi teknisi atau distributor resmi untuk pemeriksaan lebih lanjut.

## Garansi & Layanan

### Masa Garansi Standar

FLUX CONCEPT-6i dilindungi garansi manufaktur terhadap cacat produksi selama 1 tahun sejak tanggal pembelian.

### Syarat Garansi

Untuk ketentuan syarat & ketentuan garansi produk terdapat di kartu garansi .

### Layanan Pelanggan

Untuk informasi lebih lanjut, silakan hubungi:

Website : [Https://www.flux-audio.com/](https://www.flux-audio.com/)

Instagram: fluxaudio.id

## Welcome

Thank you for choosing the FLUX CONCEPT-6i DSP amplifier, specially designed to deliver the best audio performance in your vehicle. This product combines digital signal processing (DSP) technology with an 6-channel amplifier, providing you with full control and flexibility in tuning your car audio system.

## Feature

- Support 6- Channel high level, Aux, Optic, USB OTG (WA,MP3,APE)
- AKM high-performance DSPchip 269 MHz/48KHz/24bit
- Built in digital to analog conversion ADC/DAC: 10-192kHz 24 Bit
- Output 8 low-level RCA channels, 6 high-level channels
- 4CH × 50W + 2CH × 80W (4Ω, 14.4V, 1kHz, 1%THD)
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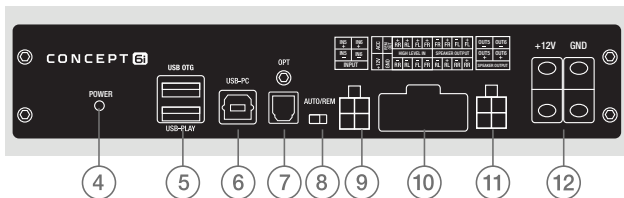
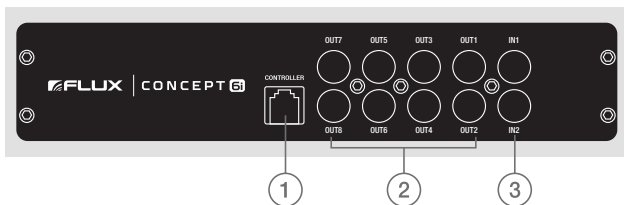
## Information

This manual is designed to help you understand the installation, operation, and maintenance of the FLUX CONCEPT-6i. Please read it carefully to maximize your audio experience and to ensure the safety and longevity of the product.

## Specification

Input Channel	6-channel high level, AUX, Optic (supporting 48KHz/16bit), OTG play Supports USB playback formats: (WAV MP3 APE)
High-Level Input Frequency	Each channel supports up to 6 independent input combined Freq.
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Signal-to-Noise Ratio(S/N)	≥98dB
Frequency Response (FR)	20Hz~20KHz
Power Supply	DC9V~17V (Support for new energy vehicles)
Output Filters	Each output is equipped with multiple independent high & low pass filters.
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## Panel Description



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Hi-level in/Out

11. Speaker Output

12. Power Supply Terminal

## Installation

**Warnings Before Installation.** To ensure the best performance and safety, please follow these precautions before installing your FLUX CONCEPT-6i DSP Amplifier:

- Professional Installation

It is strongly recommended that this product be installed by a qualified technician to ensure optimal performance and avoid any potential damage.

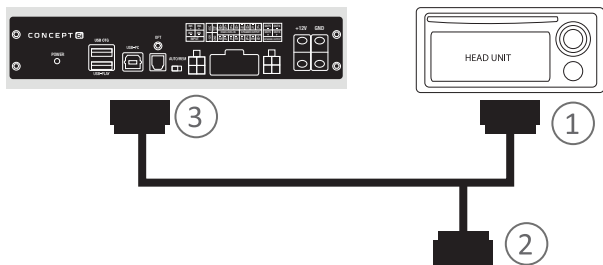
- Power Safety

Turn off the vehicle's entire electrical system before starting the installation process.

- Wiring Quality

Use only high-quality cables and connectors to prevent signal interference and reduce the risk of electrical hazards.

## Connection



- 1 Female socket dimasukkan ke dalam soket yang sesuai pada Source unit
- 2 Koneksi kabel Speaker Mobil OEM & kontrol soket lainnya
- 3 20P socket dimasukkan ke dalam soket yang sesuai FLUX CONCEPT-6i

## Maintenance & Safety

To ensure the FLUX CONCEPT-6i continues to perform at its best over the long term, it is important for both users and technicians to follow these maintenance and safety guidelines.

### Routine Maintenance

#### 1. Keep the Unit Clean

- Avoid dust accumulation around the unit.
- Use a dry cloth or soft brush to clean the exterior surface.
- Do not use alcohol-based or chemical solvents for cleaning.

#### 2. Ensure Proper Air Circulation

- Do not cover the cooling area or heatsink.
- Avoid installation in confined spaces without ventilation.
- Keep the unit away from direct sunlight or excessive heat sources.

#### 3. Check Connections Regularly

- Make sure the power, ground, and speaker connections remain tight and clean.
- Inspect terminals for any signs of rust or corrosion.
- Check input/output cables to prevent noise or signal interruption.

## Software Download

Tuning software can be downloaded from:  
<https://www.flux-audio.com/>

## Operational Safety

### 1. Avoid Unstable Voltage

- Ensure the vehicle's power supply remains stable.
- Always use the recommended fuse for proper protection.

### 2. Do Not Power On Without Load

- Always connect compatible speakers before turning on the unit.
- Powering on the amplifier without a load may damage the output circuit.

### 3. Protect from Water & Moisture

- Do not install the unit in areas exposed to leaks or water splashes.
- Ensure the installation area is free from excessive humidity.

### 4. If You Smell Burning or Overheating

- Turn off the audio system immediately.
- Contact a qualified technician or an authorized distributor for inspection.

## Warranty & Service

### Standard Warranty Period

The FLUX CONCEPT-6i is covered by a 1-year manufacturer warranty against defects in materials or workmanship from the date of purchase.

### Warranty Terms

For detailed warranty terms and conditions, please refer to the warranty card included with the product.

### Customer Service

For further information, please contact:

Website: <https://www.flux-audio.com/>



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