

Thank you very much for purchasing our CS-300F Integrated Amplifier.

## MAIN FEATURES

CS-300F is equipped with **GE JAN 6197** tube which was developed for use in computers and we used this tube for audio purpose for the first time in the world.

6197 tube produced by General Electric(USA) is a specially high quality tube passed by US Army standard JAN(Joint Army and Navy).

This tube was produced under a special quality control from the beginning on the independent production line separately from consumer use tubes and used to be supplied for Military use. We purchased this tube several years ago and have been seeking for the best circuit design to bring the best performance of this clean tube.

For driver circuit, we used a very high quality tube **17EW8(Hi-Fi)** which was produced for hi-fi use by a major Japanese electronic manufacturer.

## << OTHER FEATURES >>

- \* Lavish employment of highest grade audio components.
- \* WBT type Binding Posts.
- \* Self-Biasing circuit accepts new tubes without any Bias adjustments, and also can adapt to a consumption of tube power or to unevenness of tubes automatically.
- \* Natural wood side-panels made from Canadian White-Ash.  
This wood is very hard and heavy and is often used as a material of Baseball bats and oars for low boats.

## << CAUTIONS >>

- \* As a natural Canadian White-Ash is used for the side-panels, please accept irregular gains on each side or some small clacks occasionally.  
For cleaning the wood-panels, please just rub by a soft cloth or use a furniture wax for more polish.
- \* As the amplifier itself becomes hot with a heat of tubes, it is recommended not to put something upon the unit or to install the unit in audio racks or a narrow space, which may cause a danger or shorten a life of the amplifier.
- \* Do not close bottom ventilation by inserting something into a bottom space.
- \* To reduce the risk of electric shock, please do not remove top cover or bottom.
- \* When you need to remove a top-cover for replacing tubes, please confirm the power cable is disconnected and tubes are cooled down.
- \* Do not use fuses other than a regulated value.

## OPERATION and CONNECTION

### << FRONT PANEL >>



- POWER**  
Turn up the switch for power ON.
- PILOT LAMP**  
Power ON indicator
- INPUT SELECTOR KNOB**  
Selector for equipments connected to LINE ①~④ & CD on the rear panel.
- TAPE MONITOR**  
Turn to ON only when you listen to the source connected to TAPE terminal ⑥ on the rear panel.
- VOLUME CONTROL(40-steps Detent-volume)**  
Turn the knob to the right to raise the volume.
- HEADPHONE TERMINAL**  
To prevent hearing loss, do not raise the volume level excessively when using a headphone.
- BALANCER(Balance Control)**  
This knob is used to adjust the balance between the Right and Left channel.
- SPEAKER/HEADPHONE SELECTOR SWITCH**  
You can enjoy a real hi-fi sound also through a headphone thanks to a direct input signal from the output transformer.
- BASS BOOSTER (2-steps)**  
+3dB and +5dB in the range below 100Hz

### << REAR PANEL >>



- INPUT TERMINALS**  
LINE ①~④ & CD INPUT
- TAPE MONITOR**  
Input terminal for PLAY-OUT of Tape Deck.
- FUSE**  
A fuse of 2A is installed here.  
Please do not use a fuse other than 2A.
- AC INLET RECEPTACLE (IEC)**  
Connect the included power cord.
- LEFT Speaker Terminals**  
Red(+) & White(-)
- RIGHT Speaker Terminals**  
Red(+) & White(-)
- OUTPUT IMPEDANCE SELECTOR**  
4/6/8 Ohms
- RECORDING OUT TERMINALS**  
Connect to REC-IN of Tape Deck.
- EARTH(GND) TERMINAL**  
Connect a Ground wire of Phono Preamp or Turntable.